

## Product datasheet for **RC207944**

### **DTX3L (NM\_138287) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DTX3L (NM_138287) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DTX3L
Synonyms:	BBAP; RNF143
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC207944 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCTCCCACCTGCGCCCGCGTCCCGCTCCTCGTGGGGTGTACAAGTCCGGCCCCGAGTACGAA  
 GGAAGCTGGAGAGCTACTTCCAGAGCTCTAAGTCTCGGGCGGGGGAGTGCACGGTCAGCACCCAGGA  
 ACACGAAGCCCCGGCACCTTCCGGGTGGAGTTCAAGTAAAGGGCAGCTAAGGAGAGAGTGTGAAAAA  
 GGAGAGCACCAAACTACTTGTGACGAAAACTGTGCCATTTTCTGTTACCCACTGAAAAATCAATA  
 AGAAGAACACGAGACCTCAAATTTCTCACTGACACAATCACAAGCAGAAACACCGTCTGGTGATATGCA  
 TCAACATGAAGGACATATTCCTAATGCTGTGGATTCTGTCTCCAAAAGATCTTTCTACTGTAACAGCT  
 GACCTGAACTGTAACCTGTTCTCCAAAGAGCAGAGGGCATAACATAACCACACTGTGCCCTAGTATCAGAA  
 AATGGAAGGTCACGATGGAATTGAGAAGGTGTGTGGTGAAGTCCAAAGACATTGAAAGAATACATCAATT  
 TTTGAGTGAGCAGTTCTGGAAAGTGAGCAGAAACAACAATTTCCCTTCAATGACAGAGAGGAAGCCA  
 CTCAGTCAGCAGGAGAGGACAGCTGCATTTCTCCTTCTGAACCAGAAACCAAGGAGAAACAAAAAGCA  
 ACTATTTTGAAGTTCCCTTGCCCTACTTTGAATACTTTAAATATATCTGTCTGATAAAAAACAACCTCAAT  
 AGAGAAAAGATTTGGTGTAAACATTGAAATCCAGGAGAGTTCTCCAAATATGGTCTGTTTAGATTTACC  
 TCAAGTCGATCAGGTGACCTGGAAGCAGCTCGTGAGTCTTTTGCTAGTGAATTTGAGAAGAACACAGAAC  
 CTCTGAAGCAAGAATGTGTCTTTAGCAGACAGTAAGCAGGCAATAAATTCAAACAGGAATTGAATCA  
 CCAGTTTACAAAGCTCCTTATAAAGGAGAAAGGAGGCGAATTAAGTCTCCTTGGGACCCAAGATGACATT  
 TCAGTGCCAAACAAAAATCTCTGAAGCTTTTGTCAAGATACCTGTGAAACTATTTGCTGCCAATTACA  
 TGATGAATGTAATTGAGGTTGATAGTGCCCAATAAACTTTTAGAAACTGAATTAACAGGAGATATC  
 AGAGATCGAAAAAAGGTATGACATTTGACAGCAAGGTTTCTGAGAAAGGTGAGAAACCTGCATTCTGTTT  
 GAATCCAAGGACAGGCAGGTAGATCTATCTGTGCATGCTTATGCAAGTTTCATCGATGCCTTTCAACATG  
 CCTCATGTGAGTTGATGAGAGAAGTTCTTTTACTGAAGTCTTTGGGCAAGGAGAGAAAGCACTTACATCA  
 GACCAAGTTTGTGATGACTTTAGAAAAAGACATCCAAATGTACACTTTGTGCTAAATCAAGAGTCAATG  
 ACTTTGACTGGTTTGCCAAATCACCTTGCAAAGGCGAAGCAGTATGTTCTAAAAGGAGGAGGAATGTCTT  
 CATTGGCTGGAAGAAATTGAAAGAGGGTCATGAAACACCGATGGACATTGATAGCGATGATTCAAAGC  
 AGCTTCTCGCCACTCAAGGGCTCTGTGAGTTCTGAGGCCTCAGAACTGGACAAGAAGGAAAAGGGCATC  
 TGTGTCATCTGTATGGACACCATTAGTAACAAAAAGTGCTACCAAAGTGAAGCATGAATTCTGCGCCC  
 CTTGTATCAACAAAGCCATGTCATATAAGCCAATCTGTCCACATGCCAGACTTCTATGGTATTAGAA  
 AGGAAATCAGCCAGAGGGGAGCATGGTTTTCACTGTTTCAAGAGACTCACTTCCAGGTTATGAGTCTTT  
 GGCACCATTGTGATTACTTATTCTATGAAAGCAGGCATACAAACAGAAGAACCACCAAAACCAGGAAAGA  
 GATACCTGGAATACAGCGAACTGCATACTTGCCTGATAATAAGGAAGGAAGGAAGGTTTTGAAACTGCT  
 TTATAGGGCCTTTGACCAAAAGCTGATTTTTACAGTGGGGTACTCTCGCGTATTAGGAGTCTCAGATGTC  
 ATCACTTGGAATGATATTCACCACAAAACATCCCGTTTTGGAGGACCAGAAATGTATGGCTATCCTGATC  
 CTCTTACCTGAAACGTGTCAAAGAGGAGCTGAAAGCCAAAGGAATTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC207944 protein sequence  
Red=Cloning site Green=Tags(s)

MASHLRPPSPLLVRVYKSGPRVRRKLESYFQSSKSSGGGECTVSTQEHEAPGTFRVEFSERAAKERVLKK  
 GEHQILVDEKPVPIFLVPTENSIKKNTRPQISSLTQSQAETPSGDMHQHEGHIPNAVDSCLQKIFLTVTA  
 DLNCLNFSKEQRAYITTLCPISIRKMEGHGIEKVCQDFQDIERIHQFLSEQFLESEQKQKFSPSMTERKP  
 LSQQRDSCISPSEPETKAEQKSNYFEVPLPYFEYFKYICPDKINSIEKRFVGNIEIQESSPNMVLCDFT  
 SSRSGDLEAARESFASEFQKNTPEPLKQECVSLADSKQANKFKQELNHQFTKLLIKEKGGELTLTGTQDDI  
 SAAKQKISEAFVKIPVKLFAANYMMNVIEVDSAHYKLLLETELLQEISEIEKRYDICKSVSEKQKTCILF  
 ESKDRQVDLSVHAYASFIDAFQHASCQLMREVLKSLGKERKHLHQTKFADDFRKRHPNVHFVLNQESM  
 TLTGLPNHLAKAKQYVLKGGMSSLAGKKEGHETPMDIDSDDSKAASPLKGSVSSEASELDKKEKGI  
 CVICMDTISNKKVLPCKKHEFCAPCINKAMSYKPICPTCQTSYGIQKGNQPEGSMVFTVSRDSLPGYESF  
 GTIVITYSMKAGIQTEEHPNPGKRYPGIQRAYLPDNKEGRKVLKLLYRAFDQKLIFTVGYSRVLGVSDV  
 ITWNDIHHKTSRFGGPEMYGYPDPSPYLKRVKEELKAKGIE

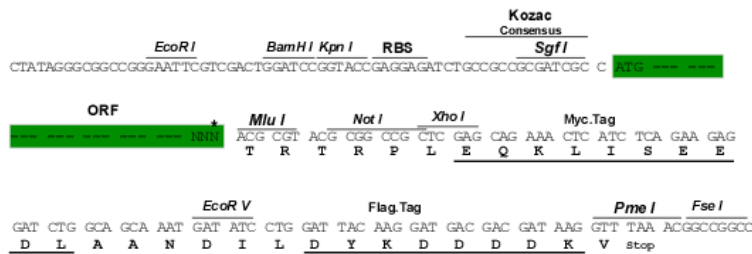
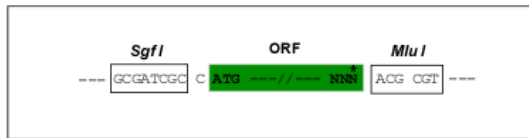
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6155\\_f03.zip](https://cdn.origene.com/chromatograms/mk6155_f03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_138287

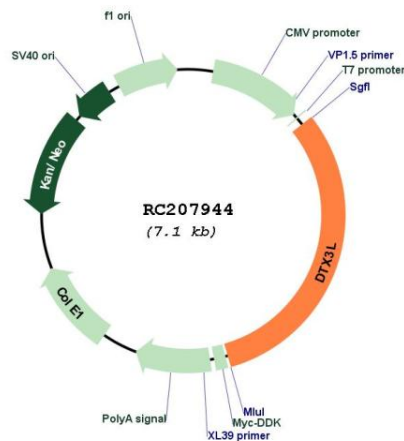
**ORF Size:** 2220 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

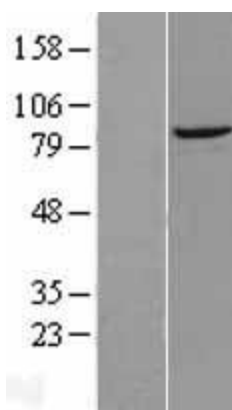
**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u>NM_138287.3, NP_612144.1</u>
<b>RefSeq Size:</b>	5768 bp
<b>RefSeq ORF:</b>	2223 bp
<b>Locus ID:</b>	151636
<b>UniProt ID:</b>	<u>Q8TDB6</u>
<b>Cytogenetics:</b>	3q21.1
<b>Domains:</b>	RING
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Notch signaling pathway
<b>MW:</b>	83.6 kDa
<b>Gene Summary:</b>	DTX3L functions as an E3 ubiquitin ligase (Takeyama et al., 2003 [PubMed 12670957]). [supplied by OMIM, Nov 2009]

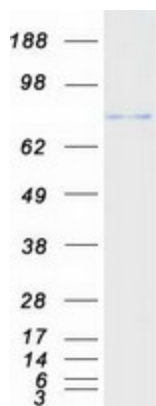
**Product images:**



Circular map for RC207944



Western blot validation of overexpression lysate (Cat# [LY403351]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207944 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DTX3L protein (Cat# [TP307944]). The protein was produced from HEK293T cells transfected with DTX3L cDNA clone (Cat# RC207944) using MegaTran 2.0 (Cat# [TT210002]).