

## Product datasheet for **RC234389**

### **p73 (TP73) (NM\_001204188) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	p73 (TP73) (NM_001204188) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p73
Synonyms:	P73
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC234389 representing NM\_001204188  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCAGTCCACCGCCACCTCCCTGATGGGGCACCACGTTTGGACCTCTGGAGCTCTCTGGAAC  
 CAGACAGCACCTACTTCGACCTTCCCAGTCAAGCCGGGGGAATAATGAGGTGGTGGGCGGAACGGATTC  
 CAGCATGGACGTCTTCCACCTGGAGGGCATGACTACATCTGTCTATGGCCAGTCAATCTGCTGAGCAGC  
 ACCATGGACCAGATGAGCAGCCGCGCGCCTCGGCCAGCCCTACACCCAGAGCAGCCGCCAGCGTGC  
 CCACCCACTCGCCCTACGCACAACCCAGCTCCACCTTCGACACCATGTGCGCCGGCGCCTGTCTCCCTC  
 CAACACCGACTACCCCGACCCACCACTTTGAGGTCACTTTCCAGCAGTCCAGCAGGCCAAGTCAGCC  
 ACCTGGACGTACTCCCCGCTCTGAAGAACTCTACTGCCAGATCGCAAGACATGCCCATCCAGATCA  
 AGGTGTCCACCCGCCACCCAGGACCGCCATCCGGGCCATGCCTGTTTACAAGAAAGCGGAGCAGT  
 GACCGACGTCTGAAACGCTGCCCAACCAGAGCTCGGGAGGGACTTCAACGAAGGACAGTCTGTCCA  
 GCCAGCCACCTCATCCGGGTGGAAGGAATAATCTCTCGCAGTATGTGGATGACCCTGTACCCGGCAGGC  
 AGAGCGTCTGTTGCCCTATGAGCCACCACAGGTGGGGACGGAATTCACCACCATCCTGTACAATTCAT  
 GTGTAACAGCAGCTGTGTAGGGGCATGAACCGCGGCCCATCCTCATCATCACCCCTGGAGATGCGG  
 GATGGGACAGTGTGGCCGCGCGTCTTTGAGGGCCCATCTGCGCCTGTCTGGCCGCGACCGAAAAG  
 CTGATGAGGACCACTACCGGGAGCAGCAGGCCCTGAACGAGAGCTCCGCCAAGAACGGGGCCGAGCAA  
 GCGTGCCTTAAGCAGAGCCCCCTGCCGTCCCGCCCTTGGTCCCGGTGTGAAGAAGCGGCGCATGGA  
 GACGAGGACACGTACTACCTCAGGTGCGAGCCGGGAGAAGTTGAGATCCTGATGAAGCTGAAAGAGA  
 GCCTGGAGCTGATGGAGTTGGTCCCGCAGCCACTGGTGGACTCCTATCGGCAGCAGCAGCTACCTACA  
 GAGGCCTTTTTTAACAGGATTGGGGTGTCCAAACTGCATCGAGTATTTACCTCCCAAGGGTTACAGAGC  
 ATTTACCACCTGCAGAACCTGACCATTGAGGACCTGGGGCCCTGAAGATCCCGAGCAGTACCGCATGA  
 CCATCTGGCGGGGCTGCAGGACCTGAAGCAGGGCCACGACTACAGCACCAGCGCAGCAGCTGCTCCGCTC  
 TAGCAACGCGGCCACCATCTCCATCGCGGCTCAGGGAACTGCAGCGCCAGCGGTCATGGAGGCCGTG  
 CACTTCCGCGTGCGCCACCATCACCATCCCCAACCGCGCGGCCAGGCGCGGCCCTGACGAGTGGG  
 CGGACTTCGGCTTCGACCTGCCGACTGCAAGGCCGCAAGCAGCCCATCAAGGAGGAGTTCACGGAGGC  
 CGAGATCCAC

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234389 representing NM\_001204188  
 Red=Cloning site Green=Tags(s)

MAQSTATSPDGGTTFEHLWSSLEPDSTYFDLPQSSRGNNVVGTDSSMDVFHLEGMTTSVMAQFNLLSS  
 TMDQMSSRAASAPYTPPEHAASVPTHSPYAQPSSTFDTMSPAPVIPSNTDYPGPHHFVTFQSSSTAKSA  
 TWTYSPLLLKLYCQIAKTCPIQIKVSTPPPGTAIRAMPVYKKAHVTDVVKRCPNHELGRDFNEGQSAP  
 ASHLIRVEGNLSQYVDDPVTGRQSVVVPYEPQVGTFTTILYNFMCNSSCVGGMNRPIIIITLEMR  
 DGQVLGRRSFEGRICACPRDRKADEHDHYREQQALNESSAKNGAASKRAFQSPPAVPALGAGVKKRRHG  
 DEDTYYLQVRGRENFEILMKLKESELELMELVPQPLVDSYRQQQLLQRPFLTGLGCPNCIEYFTSQGLQS  
 IYHLQNLTIEDLGALKIPEQYRMTIWRGLQDLKQGHDYSTAQQLLRSSNAATISIGGSGELQRQRVMEAV  
 HFRVRHTITIPNRGGPGGPDWADFDFDLDPCKARKQPIKEEFTEAEIH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001204188

ORF Size: 1620 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.

Components: 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).

- Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
  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.

RefSeq: [NM\\_001204188.1](#), [NP\\_001191117.1](#)

RefSeq Size: 4866 bp

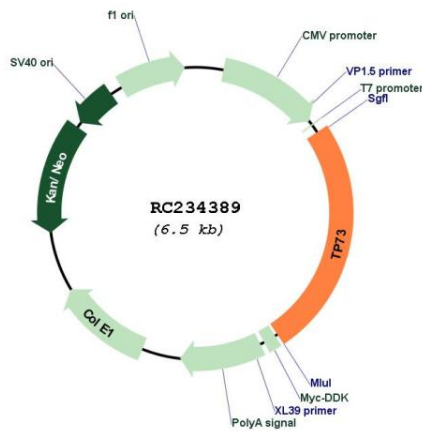
RefSeq ORF: 1623 bp

Locus ID: 7161

UniProt ID: [O15350](#)

<b>Cytogenetics:</b>	1p36.32
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Neurotrophin signaling pathway, p53 signaling pathway
<b>MW:</b>	60.3 kDa
<b>Gene Summary:</b>	This gene encodes a member of the p53 family of transcription factors involved in cellular responses to stress and development. It maps to a region on chromosome 1p36 that is frequently deleted in neuroblastoma and other tumors, and thought to contain multiple tumor suppressor genes. The demonstration that this gene is monoallelically expressed (likely from the maternal allele), supports the notion that it is a candidate gene for neuroblastoma. Many transcript variants resulting from alternative splicing and/or use of alternate promoters have been found for this gene, but the biological validity and the full-length nature of some variants have not been determined. [provided by RefSeq, Feb 2011]

**Product images:**



Circular map for RC234389