

Product datasheet for **RC208126**

DNAJC3 (NM_006260) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC3 (NM_006260) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC3
Synonyms:	ACPHD; ERdj6; HP58; P58; p58(IPK); P58IPK; PRKRI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC208126 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGGCCCCCGCTCCGTGACCAGCCGGCTGGCTCGGTATCCCTTCTCTGCTAGTCTGGTGGATC
 TGCAGTACGAAGGTGCTGAATGTGGAGTAAATGCAGATGTTGAGAAACATCTTGAATTGGCAAGAAATT
 ACTTGCAGCTGGACAGCTAGCTGATGCTTTATCTCAGTTTCATGCTGCCGTAGATGGTGACCCTGATAAC
 TATATTGCTTATTATCGGAGGGCTACTGTCTTTTAGCTATGGGCAAATCAAAGCTGCACTTCTGATT
 TAACTAAAGTGATTCAATTGAAGATGGACTTCACTGCAGCAAGATTACAGAGAGGTCACTTATTACTCAA
 ACAAGGAAAACCTTGATGAAGCAGAAGATGATTTAAAAAAGTGCTCAAATCTAATCCAAGTAAAAATGAA
 GAAAAGGAAGCACAGTCTCAACTATAAAATCTGATGAAATGCAGCGTTTGCCTTACAAGCACTTAACG
 CTTTTGGAAGTGGAGATTACTGCTGCTATAGCCTTCTTGATAAGATTTAGAGGTTTGTGTTGGGA
 TGCAGAACTACGGGAACCTCGAGCTGAATGTTTTATAAAGAAGGAGAACCTAGGAAAGCTATAAGTGAC
 TAAAAAGCTGCGTCAAAGTTGAAGAATGATAACTGAAGCGTTTTATAAATAAGCACACTGTACTACC
 AACTAGGAGACCAGAACTGTCCCTCAGTGAAGTTCGGGAATGTCTTAACTTGACCAGGATCATAAAAG
 GTGTTTTGCACACTATAAACAAGTAAAGAACTTAATAAGCTGATTGAGTCAGCTGAAGAGCTCATCAGA
 GATGGCAGATACACAGATGCTACCAGCAAATATGAATCTGTCA TGAAAACAGAGCCAAGCATTGCTGAAT
 ATACAGTTCGTTCAAAGGAGAGGATTTGCCACTGCTTTTCTAAGGACGAGAAGCCTGTTGAAGCTATTAG
 GGTTTGTCTGAAGTTTACAGATGGAACCTGACAATGTGAATGCCCTGAAAGATCGAGCAGAGGCCAT
 TTGATAGAGGAAATGTATGATGAAGCTATTCAGGATTATGAACTGCTCAGGAACACAATGAAAAATGATC
 AGCAGATTGAGAAAGTCTAGAGAAAGCACAAAGATTATTGAAACAGTCGCAGAAACGAGATTATTATAA
 AATCTTGGGAGTAAAAAGAAATGCCAAAAAGCAAGAAATTTAATAAGCATACCGAAAATTAGCACTGCAG
 TGGCACCCAGATAACTTCCAGAATGAAGAAGAAAAAGAAAAAGCTGAGAAAAAGTTCATTGATATAGCAG
 CTGCTAAAGAAGTCTCTCTGATCCAGAAATGAGAAAGAAGTTTGACGACGGAGAAGATCCTTTGGATGC
 AGAGAGCCAGCAAGGAGGCGGCCAACCCCTTCCACAGAAGCTGGAACCTCATGGCAAGGTTCAATCCC
 TTCAGCTCAGGCGGACCATTTAGATTTAAATCCACTTCAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC208126 protein sequence
 Red=Cloning site Green=Tags(s)

MVAPGSVTSRLGSVFPFLLVLDLQYEGAECGVNADVEKHLELGKLLAAGQLADALSQFHAAVDGDNDN
 YIAYYRRATVFLAMGKSKAALPDLTKVIQLKMDFTAARLQRGHLLKQKGLDEAEDDFKVLKSNPSENE
 EKEAQSQLIKSDQMRLRSQALNAFGSGDYTAIAFLDKILEVCVWDAELRELRAECFIKEGEPKAI
 SDLKAASKLKNNTAFYKISTLYYQLGDHLSLSEVRECLKLDQDHKRCFAHYKQVKKLNKLIESA
 EELIR DGRYTDATSKYESVMKTEPSIAEYTVRSKERICHCFKDEKPV EAIRVCSEVLQMEPDN
 VNALKDRAEAY LIEEMYDEAIQDYETAQEHNENDQI
 REGLEKAQRLLKQSQRDYKILGVKRN
 AKKQEI
 IKAYRKLALQ WHPDNFQNEEKKKAEKFI
 DIAAAKEVLSDP
 EMRKKFDDGEDPLDAESQGGGPNP
 FHRWSWSQGFNP FSSGGPFRFKFHFN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6089_b06.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_006260

ORF Size: 1512 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_006260.5](#)

RefSeq Size: 5598 bp

RefSeq ORF: 1515 bp

Locus ID: 5611

UniProt ID: [Q13217](#)

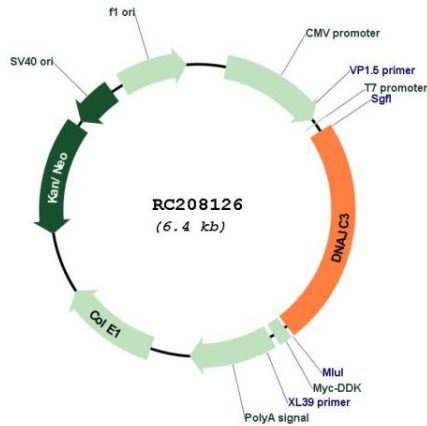
Cytogenetics: 13q32.1

Domains: TPR, Dnaj

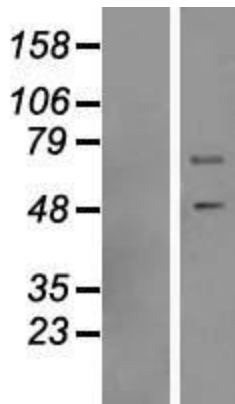
MW: 57.6 kDa

Gene Summary: This gene encodes a protein with multiple tetratricopeptide repeat (TPR) motifs as well as the highly conserved J domain found in DNAJ chaperone family members. It is a member of the tetratricopeptide repeat family of proteins and acts as an inhibitor of the interferon-induced, dsRNA-activated protein kinase (PKR). [provided by RefSeq, Jul 2010]

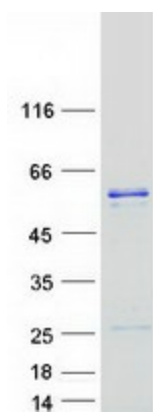
Product images:



Circular map for RC208126



Western blot validation of overexpression lysate (Cat# [LY416762]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208126 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC3 protein (Cat# [TP308126]). The protein was produced from HEK293T cells transfected with DNAJC3 cDNA clone (Cat# RC208126) using MegaTran 2.0 (Cat# [TT210002]).