

Product datasheet for RC207697

DNAJC8 (NM_014280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC8 (NM_014280) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC8
Synonyms:	HSPC331; SPF31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC207697 representing NM_014280 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGCTTCAGGAGAGAGCGGGACTTCAGGCGCGGAGGCAGCACCGAGGAAGCATTATGACCTTCT
 ACAGTGAGGTGAAACAAATAGAGAAGAGAGACTCGGTTCTAACTTCGAAAAATCAGATTGAAAGACTGAC
 CCGTCCTGGTTCCTCTTACTTCAATTTGAACCCATTTGAGGTTCTTCAGATAGATCCTGAAGTTACAGAT
 GAAGAAATAAAAAAGAGGTTTCGGCAGTTATCCATCTTGGTGCATCCTGACAAAAATCAAGATGATGCTG
 ACAGAGCACAAAAGGCTTTTGAAGCTGTGGACAAAGCTTACAAGTTGCTACTGGATCAGGAGCAAAAGAA
 GAGGGCCCTGGATGTAATTCAGGCAGGAAAAGAATACGTGGAACACACTGTGAAAGAGCGAAAAAACA
 TTAAAGAAGGAAGGAAAACCTACAATTGTAGAGGAGGATGATCCTGAGCTGTTCAAACAAGCTGTATATA
 AACAGACAATGAACTCTTTGCAGAGCTGGAAATTTAAAGGAAAGAGAGAGAAGCCAAAGAGATGCATGA
 AAGGAAACGACAAAGGGAAGAAGAGATTGAAGCTCAAGAAAAAGCCAAACGGGAAAGAGAGTGGCAGAAA
 AACTTTGAGGAAAGTCGAGATGGTCTGTGGACAGCTGGCGAACTTCCAAGCCAATACGAAGGGGAAGA
 AAGAGAAGAAAAATCGGACCTTCCTGAGACCACCGAAAGTAAAAATGGAGCAACGTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC207697 representing NM_014280
 Red=Cloning site Green=Tags(s)

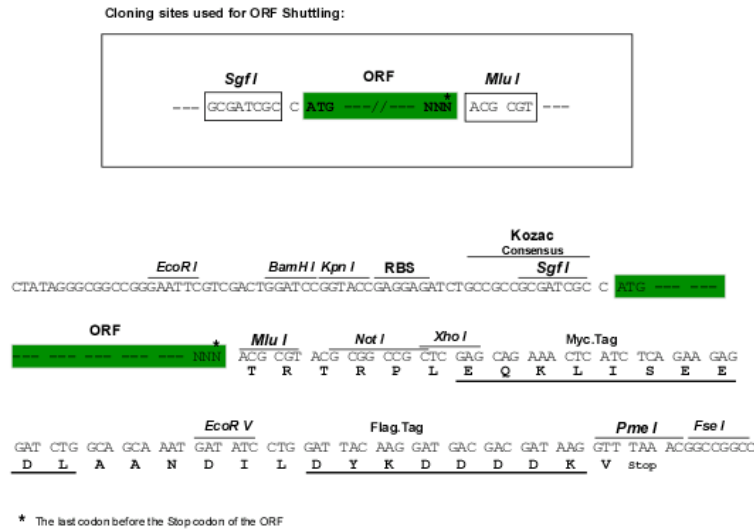
MAASGESGTSGGGGSTEEAFMTFYSEVKQIEKRDSVLTSKNQIERLTRPGSSYFNLNPFVFLQIDPEVTD
 EEIKKRFRQLSILVHPDKNQDDADRAQKAFEAVDKAYKLLLDQEQKKRALDVIQAGKEYVEHTVKERKKQ
 LKKEGKPTIVEEDDPFLFKQAVYKQTMKLF AELEIKRKEREAKEMHERKRQREEEIEAQEKAKREREWQK
 NFEE SRDGRVDSWRNFQANTKGKKEKNRTFLRPPKVKMEQRE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg8004_b02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014280

ORF Size: 759 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_014280.3](#)

RefSeq Size: 1765 bp

RefSeq ORF: 762 bp

Locus ID: 22826

UniProt ID: [O75937](#)

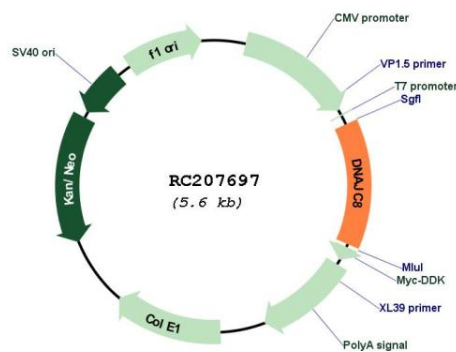
Cytogenetics: 1p35.3

Domains: DnaJ

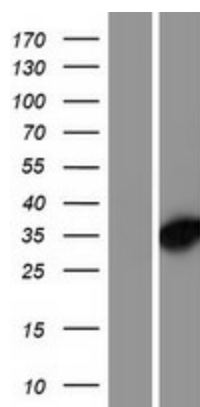
MW: 29.7 kDa

Gene Summary: Suppresses polyglutamine (polyQ) aggregation of ATXN3 in neuronal cells (PubMed:27133716).[UniProtKB/Swiss-Prot Function]

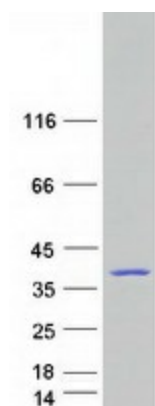
Product images:



Circular map for RC207697



Western blot validation of overexpression lysate (Cat# [LY415384]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207697 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified DNAJC8 protein (Cat# [TP307697]). The protein was produced from HEK293T cells transfected with DNAJC8 cDNA clone (Cat# RC207697) using MegaTran 2.0 (Cat# [TT210002]).