

Product datasheet for **RG207697**

DNAJC8 (NM_014280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC8 (NM_014280) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJC8
Synonyms:	HSPC331; SPF31
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207697 representing NM_014280 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGGCTTCAGGAGAGAGCGGGACTTCAGGCGGCGGAGGCAGCACCGAGGAAGCATTATGACCTTCT
 ACAGTGAGGTGAAACAAATAGAGAAGAGAGACTCGTTCTAACTTCGAAAAATCAGATTGAAAGACTGAC
 CCGTCCTGGTTCCTTACTTCAATTTGAACCCATTTGAGGTTCTTCAGATAGATCCTGAAGTTACAGAT
 GAAGAAATAAAAAAGAGGTTTCGGCAGTTATCCATCTTGGTGCATCCTGACAAAAATCAAGATGATGCTG
 ACAGAGCACAAAAGGCTTTTGAAGCTGTGGACAAAGCTTACAAGTTGCTACTGGATCAGGAGCAAAAGAA
 GAGGGCCCTGGATGTAATTCAGGCAGGAAAAGAATACGTGGAACACACTGTGAAAGAGCGAAAAAACA
 TTAAAGAAGGAAGGAAAACCTACAATTGTAGAGGAGGATGATCCTGAGCTGTTCAAACAAGCTGTATATA
 AACAGACAATGAACTCTTTGCAGAGCTGGAAATTTAAAGGAAAGAGAGAGAAGCCAAAGAAATGCATGA
 AAGGAAACGACAAAGGGAAGAAGAGATTGAAGCTCAAGAAAAAGCCAAACGGGAAAGAGAGTGCCAGAAA
 AACTTTGAGGAAAGTCGAGATGGTCGTGTGGACAGCTGGCGAACTTCCAAGCCAATACGAAGGGGAAGA
 AAGAGAAGAAAAATCGGACCTTCCTGAGACCACCGAAAGTAAAAATGGAGCAACGTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG207697 representing NM_014280
 Red=Cloning site Green=Tags(s)

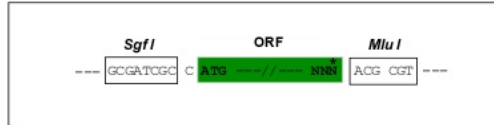
MAASGESGTSGGGGSTEEAFMTFYSEVKQIEKRDSVLTSKNQIERLTRPGSSYFNLNPFVLQIDPEVTD
 EEIKKRFRQLSILVHPDKNQDDADRAQKAFAVDKAYKLLLDQEKKRALDVIQAGKEYVEHTVKERKKQ
 LKKEGKPTIVEEDDPFLFKQAVYKQTMKLF AELEIKRKEREAKEMHERKRQREEEIEAQEKAKREREWQK
 NFEE SRDGRVDSWRNFQANTKGKKEKNRTFLRPPKVKMEQRE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCCAGATCT
 EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CAAGCTTAAC TAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---
 HindIII NheI RsrII MluI NotI XhoI GFP Tag
 T R T R P L E M E S D - - -
 --- GAA GAA AGA GTT TAA ACGGCGGCGCGGAGCT
 - - E E R V Stop

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.

RefSeq: [NM_014280.2](#), [NP_055095.2](#)

RefSeq Size: 1765 bp

RefSeq ORF: 762 bp

Locus ID: 22826

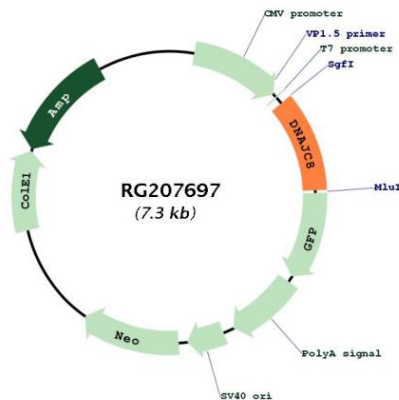
UniProt ID: [O75937](#)

Cytogenetics: 1p35.3

Domains: Dnaj

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

Product images:



Circular map for RG207697