

Product datasheet for **RG207352**

DNAJB8 (NM_153330) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJB8 (NM_153330) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJB8
Synonyms:	CT156; DJ6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG207352 representing NM_153330 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTAACTACTACGAAGTGCTGGCGTGCAGGCCAGCGCTTCCCCGGAGGACATCAAGAAAGCCTACC
GCAAGCTGGCCCTTCGTTGGCACCCCGACAAGAACCCTGACAATAAGGAGGAGCGGAGAAGAAGTTCAA
GCTGGTGTCTGAGGCCTATGAGGTTCTGTCTGACTCCAAGAAACGCTCCCTGTATGACCGTGTGGGTGT
GACAGCTGGCGGGCTGGTGGCGGGCCAGCACGCCCTACCACAGCCCTTCGACACCGGCTACACCTTCC
GTAACCCTGAGGACATCTCCGGGAGTTTTTCGGTGGCCTGGACCCTTCTCCTTTGAGTTCTGGGATAG
CCCATTCAATAGTGACCGTGGTGGCCGGGCCATGGCCTGAGGGGGCCTTCTCGGCAGGCTTTGGAGAA
TTTCCGGCCTTCATGGAGGCCTTCTCATCTTCAACATGCTGGGCTGCAGCGGGGCGAGCCACACCCT
TCTCATCCACCTCCTTCGGGGGCTCCAGTTCTGGCAGCTCGGGTTCAAGTCGGTGATGTCGTCCACCGA
GATGATCAATGGCCACAAGGTCACCACCAAGCGCATCGTGAGAACGGCAGGAGCGCGTGGAGGTGGAG
GAAGACGGGCAGCTCAAGTCGGTGACTGTGAACGGCAAGGAGCAGCTCAAATGGATGGACAGCAAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG207352 representing NM_153330
Red=Cloning site Green=Tags(s)

MANYEVLGVQASASPEDIKKAYRKLALRWHPDKNPDNKEEAEEKFKLVSEAYEVLSDSKKRSLYDRAGC
 DSWRAGGASTPYHSPFDTG YTFRNPEDIFREFFGGLDPFSFEFWDSPFNDRGGRGHGLRGAFSAGFGE
 FPAFMEAFSSFNMLGCSGGSHTTFSSTSFGSSSGSSGFKSVMSSTEMINGHKVTTKRIVENGQERVEVE
 EDGQLKSVTVNGKEQLKWMSK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153330

ORF Size: 696 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_153330.2](#), [NP_699161.1](#)

RefSeq Size: 2479 bp

RefSeq ORF: 699 bp

Locus ID: 165721

UniProt ID: [Q8NHS0](#)

Cytogenetics: 3q21.3

Gene Summary: The protein encoded by this gene belongs to the DNAJ/HSP40 family of proteins that regulate chaperone activity. This family member suppresses aggregation and toxicity of polyglutamine proteins, and the C-terminal tail is essential for this activity. It has been implicated as a cancer-testis antigen and as a cancer stem-like cell antigen involved in renal cell carcinoma. [provided by RefSeq, Jun 2012]

Product images:



Circular map for RG207352