

Product datasheet for **RG205128**

DNAJB9 (NM_012328) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNAJB9 (NM_012328) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DNAJB9
Synonyms: ERdj4; MDG-1; MDG1; MST049; MSTP049
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG205128 representing NM_012328
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACTCCCCAGTCAATTTTCATCTTTGCAATCTGCATTTTAAATGATAACAGAATTAATTCTGGCCT
CAAAAAGCTACTATGATATCTTAGGTGTGCCAAAATCGGCATCAGAGCGCCAAATCAAGAAGGCCTTTCA
CAAGTTGGCCATGAAGTACCACCCTGACAAAAATAAGAGCCGGATGCTGAAGCAAATTCAGAGAGATT
GCAGAAGCATATGAAACTCTCAGATGCTAATAGACGAAAAGAGTATGATACACTTGGACACAGTGCTT
TTACTAGTGGTAAAGGACAAAGAGGTAGTGAAGTTCTTTGAGCAGTCATTTAACTTCAATTTTGATGA
CTATTTAAAGACTTTGGCTTTTTGGTCAAAACCAAAACTGGATCCAAGAAGCGTTTTGAAAATCAT
TTCCAGACACGCCAGGATGGTGGTTCCAGTAGACAAAAGGCATCATTTCCAAGAATTTCTTTGGAGGTG
GATTATTTGATGACATGTTTGAAGATATGGAGAAAATGTTTTCTTTAGTGGTTTTGACTCTACCAATCA
GCATACAGTACAGACTGAAAATAGATTTTCATGGATCTAGCAAGCACTGCAGGACTGTCACTCAACGAAGA
GGAAATATGGTTACTACATACACTGACTGTTCCAGGACAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG205128 representing NM_012328
Red=Cloning site Green=Tags(s)

MATPQSIFIFAICILMITELILASKSYYDILGVPKSASERQIKKAFHKLAMKYHPDKNKSPDAEAKFREI
 AEAYETLSDANRRKEYDTLGHSAFTSGKGQRGSGSFEQSFNFNFDLLFKDFGFFGQNQNTGSKKRFENH
 FQTRQDGGSSRQRHHFQEF SFGGLFDDMFEDMEKMF SFSGFDSTNQHTVQTENRFHGSSKHCRVTQRR
 GNMVTTYTDCSGQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012328

ORF Size: 669 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_012328.3](#)

RefSeq Size: 2371 bp

RefSeq ORF: 672 bp

Locus ID: 4189

UniProt ID: [Q9UBS3](#)

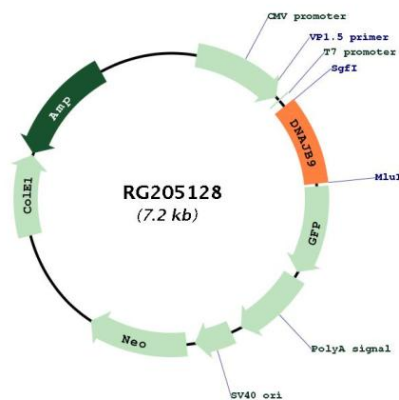
Cytogenetics: 14q24.2-q24.3

Domains: Dnaj

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene is a member of the J protein family. J proteins function in many cellular processes by regulating the ATPase activity of 70 kDa heat shock proteins. This gene is a member of the type 2 subgroup of Dnaj proteins. The encoded protein is localized to the endoplasmic reticulum. This protein is induced by endoplasmic reticulum stress and plays a role in protecting stressed cells from apoptosis. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RG205128