

Product datasheet for **RG210567**

DNAJC15 (NM_013238) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: DNAJC15 (NM_013238) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: DNAJC15
Synonyms: DNAJD1; HSD18; MCJ
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG210567 representing NM_013238
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCCCGTGGTGTTCATCGCTCCAGTTGGCGAGAGTTTGGCTACGCTGAGTACTTGCAGCCCTCGG
CCAAACGGCCAGACGCCGACGTCGACCAGCAGAGACTGGTAAGAAGTTTGATAGCTGTAGGCCTGGGTGT
TGCAGCTCTTGCATTTGCAGGTCGCTACGCATTTGGATCTGGAAACCTCTAGAACAAGTTATCACAGAA
ACTGCAAAGAAGATTTCAACTCCTAGCTTTTCATCCTACTATAAAGGAGGATTTGAACAGAAAATGAGTA
GGCGAGAAGCTGGTCTTATTTAGGTGTAAGCCCATCTGCTGGCAAGGCTAAGATTAGAACAGCTCATAG
GAGAGTCATGATTTTGAATCACCCAGATAAAGGTGGATCTCCTTACGTAGCAGCCAAAATAAATGAAGCA
AAAGACTTGCTAGAAACAACCACCAAAACAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG210567 representing NM_013238
Red=Cloning site Green=Tags(s)

MAARGVIAPVGESLRYAEYLQPSAKRPDADVDQQLVRSLIAVGLGVAALAFAGRYAFRIWKPLEQVITE
TAKKISTPSFSSYYKGGFEQKMSRREAGLILGVSPSAGKAKIRTAHRRVMILNHPDKGSPYVAAKINEA
KDLETTTKH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_013238

ORF Size: 450 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_013238.2](#), [NP_037370.2](#)

RefSeq Size: 2792 bp

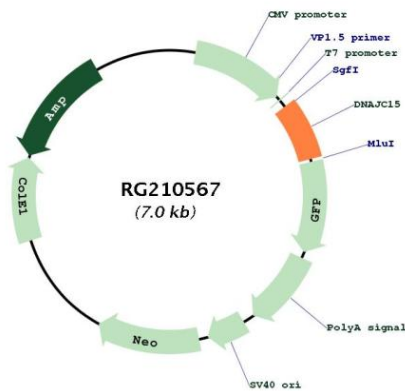
RefSeq ORF: 453 bp

Locus ID: 29103

UniProt ID: [Q9Y5T4](#)

Cytogenetics: 13q14.11
Domains: Dnaj
Protein Families: Transmembrane
Gene Summary: Negative regulator of the mitochondrial respiratory chain. Prevents mitochondrial hyperpolarization state and restricts mitochondrial generation of ATP (By similarity). Acts as an import component of the TIM23 translocase complex. Stimulates the ATPase activity of HSPA9.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG210567