

Product datasheet for **RG205646**

DNAJC18 (NM_152686) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	DNAJC18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205646 representing NM_152686
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGCGGGGACTCTGGGCAGCGGGGAGCGCTGGACGGAAGCTTACATTGACGCAGTTAGAAGAAACAAAT
ACCCAGAAGACACCTCCTGAGAGTCATGACCCCTGTGGCTGCTGAAGTGCATGAAGGCACAAAAGGA
AAAGAAGTCTGAGAATGAGTGGACTCAGACCCGGCAGGGTGAGGGGAACTCCACGTACAGTGAGGAACAG
CTGCTTGGGGTACAAAGGATCAAGAAATGCAGAAATTACTATGAAATTCCTGGGAGTTTCTCGAGATGCTA
GTGACGAAGAGCTTAAGAAAGCTTACAGAAACTCGCCCTGAAATTTACCCCTGACAAGAACTGTGCTCC
TGGAGCAACAGATGCTTTCAAAGCAATAGGAAATGCATTGTCAGTCCTGAGCAATCCTGATAAGAGACTT
CGCTATGATGAATACGGAGATGAACAGGTGACTTTCCTGCCCCTCGAGCCAGACCTTATAATTATTACA
GGGATTTTGAAGCTGACATCACTCCAGAAGAGCTGTTCAACGTCTTCTTTGGAGGACATTTTCTACAGG
AAATATTCATATGTTTTCAAATGTGACAGATGACACTTACTATTACCGTCGACGGCACCGACATGAGAGG
ACACAGACTCAGAAGGAGGAGGAAGAAGAGAAACCTCAGACTACATATTCTGCATTTATTCAGCTACTTC
CAGTTCTTGTTGATTGTGATTATCTGTCTTACTCAGCTGCTGGCTACTAATCCCCATATAGTCTGTT
CTATAAATCGACCTTGGGCTACACCATTTCTAGAGAACTCAGAACTGCAGGTGCCTTACTTTGTGGAT
AAAACTTTGACAAGGCCTACAGAGGAGCTTCTCTGCATGACTTGAGAGAAACAAATAGAGAAGGATTACA
TTGATTATATCCAGACTAGTTGTTGGAAGGAGAAACAACAAAGTCAGAGCTGACAAATTTGGCAGGATT
ATACAGAGATGAACGATTGAAACAGAAAGCAGAGTCGCTGAAACTTGAAACTGTGAGAACTTTCCAAA
CTCATTGGCCTACGCAGAGGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



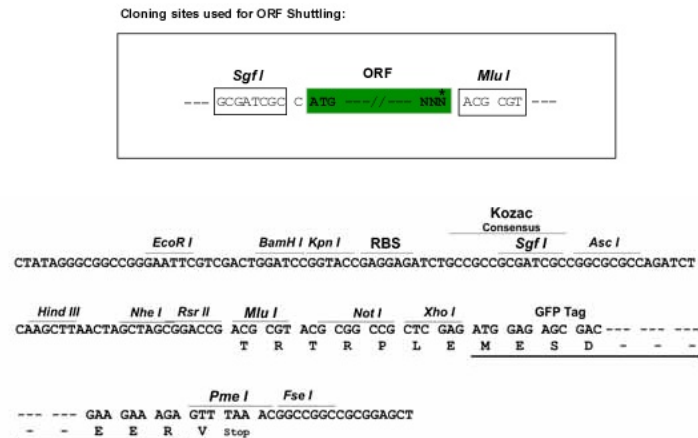
Protein Sequence: >RG205646 representing NM_152686
Red=Cloning site Green=Tags(s)

MAATLGSGERWTEAYIDAVRRNKYPEDTPPESHDPGCCNCMKAKQKEKKSENEWTQTRQGEGNSTYSEEQ
LLGVQRIKKCRNYEILGVS RDASDEELKKAYRKLALKFHPDKNCAPGATDAFKAIGNAFVLSNPKRL
RYDEYGDEQVTF TAPRARPYNYYRDFEADITPEELFNVFFGGHFPTGNIHMF SNVTD DTY YRRRHRHER
TQTQKEEEEEKPQTTYSAFIQLLPVLVIVII SVITQLLATNPPYSLFYKSTLGYTISRETQNLQVPYFVD
KNFDKAYRGASLHLEKTI EKDYIDYIQTSCWKEKQKQSEL TNLAGLYRDERLKQKAESL KLENCEKLSK
LIGLRRGG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152686

ORF Size: 1074 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_152686.2](#), [NP_689899.1](#)

RefSeq Size: 3606 bp

RefSeq ORF: 1077 bp

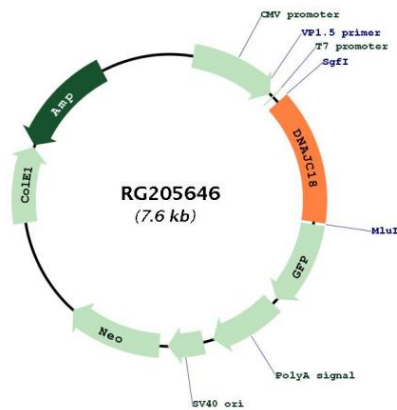
Locus ID: 202052

UniProt ID: [Q9H819](#)

Cytogenetics: 5q31.2

Domains: DnaJ

Product images:



Circular map for RG205646