

Product datasheet for **RG207983**

DNAJC16 (NM_015291) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC16 (NM_015291) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJC16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207983 representing NM_015291
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGTGAGAAAGTTGAGCATTTCCTGGCAGTTCCTTGATAGTTCTGGTTCTGATCCTGCAAATTCCTGT
 CTGCGTTGGATTTTGACCCATACAGAGTCTAGGGGTGACCCGAACAGCCAGTCAGGCTGATATAAAAA
 GGCTTATAAGAAGCTCGCCCGGGAATGGCATCCTGACAAAAACAAAGATCCTGGAGCAGAAGACAAGTTC
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 ACGCTGGAGAGAACCAGGGCTACCAGAAGCAGCAACAGCAGCGAGAGTATCGCTTCGCCATTTCCATGA
 AAATTTTTATTTGATGAATCCTTTTTTCACTTCCCTTTAATTCTGAACGGCGGGACTCAATTGACGAA
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 GGTCTTTAAAGAACATATAAACAGGCCTGCCGATGTTATCCAGGCCCGAGGTATGAAGAAGCAAATCATT
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 AATCAGCGGTGTCTATTTTAGAAAGGCGCAACACAGCAGGAAGGGTGGTGTATAAAACCCTGGAAGACCC
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 TCTACTGCTTCTGACTACATCTCAGACTGCTGGGATAGCATTTTTACAACAACCTGGAGGAAATGAT
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 CTGAATGGCCACAAGAAATACTTCTGCCTCTTCAAGCCCCAAAAGACAGTCAAGAGGAGGAAGCCATAG
 GGTGCGTCAAGTATGTTGACTCTTCCCTCTACCTGGGTGAATCTCGAGGGAAACCTTCTGTGGCCTTGG
 ATCCAGGCCATCAAAGGAAAGTTGAGCAAGCTCTTTTATGGATGGAACGCCTGCTGGAGGCTCCTTA
 CAGAGGTTTTATATCCATCATGGCCTGAACAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG207983 representing NM_015291
 Red=Cloning site Green=Tags(s)

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MEVRKLSISWQFLIVLVLILQILSALDFDPYRVLGVSRTASQADIKKAYKKLAREWHPDKNKDPGAEDKF
IQISKAYEILSNEEKRSNYDQYGDAGENQGYKQKQQQREYRFRHFHENFYFDESFHFHFNERRDSIDE
KYLHSHYVNEVVPDSFKKPYLIKITSDFWCFSCIHIIEPVWKEVIQELEELGVGIGVVHAGYERRLAHHL
GAHSTPSILGIINGKISFFHNAVRENLRQFVESLLPGNLVEKVTNKNYVRFVLSGWQQENKPHVLLFDQT
PIVPLLYKLTAFAYKDYL SFGYVYVGLRGTEEMTRRYNINIYAPTLLVFKEHINRPADVIQARGMKKQII
DDFITRNKYLLAARLTSQKLFHELCPVKRSHRQRKYCVVLLTAETTKLSKPF EAFLSFALANTQDTRVRFV
HYYSNRQQEFADTLLPDSEAFQGKSAVILERRNTAGRVVYKTLLEDPWIGSESDKFI LLGYLDQLRKDPA
LLSSEAVLPDLTDELAPVFLRWFYASADYISDCWDSIFHNNWREMMPLLSLIFSALFILFGTVIVQAFS
DSNDERESSPPEKEEAQEKTKTEPSFTKENS KIPKKGFEVTELT DVTYTSNLVRLRPGHMNVVLI LS
NSTKTSLLQKFALEVYFTFGSSCLHFSFLSLDKHREWLEYLLEFAQDAAPIPNQYDKHFMERDYTGYYLA
LNGHKKYFCLFKPQKTVEEEEAIGSCSDVDSSL YLGESRGKPCGLGSRPIK GKLSKLSLWMERLLEGLS
QRFYIPSWPELD
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015291

ORF Size: 2346 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_015291.4](#)

RefSeq Size: 6035 bp

RefSeq ORF: 2349 bp

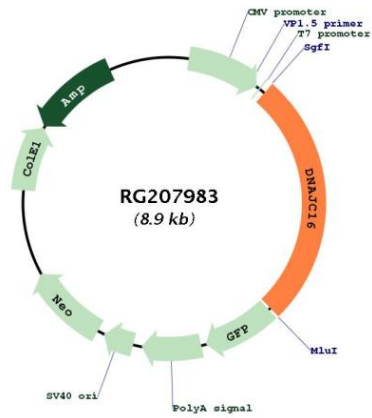
Locus ID: 23341

UniProt ID: [Q9Y2G8](#)

Cytogenetics: 1p36.21

Protein Families: Druggable Genome, Transmembrane

Product images:



Circular map for RG207983