

Product datasheet for **RG235005**

DNAJC6 (NM_001256865) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC6 (NM_001256865) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DNAJC6
Synonyms:	DJC6; PARK19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG235005 representing NM_001256865
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCAGCTATGGGGGAGGTCTCTTTGACATGGTAAAAGGAGGTGCAGGGAGGCTCTTTAGTAACC
 TAAAGGACAACCTTGAAAGACACCCTCAAAGACACATCTTCTAGAGTGATACAATCTGTGACCAGCTACAC
 AAAGGGAGATTTAGACTTCACTTATGTTACCTCCAGAATTATTGTGATGTCCTTTCTCTGGACAATGTT
 GACATAGGATTCAGGAATCAGGTTGATGACATTCGAAGCTTTTTGGATTCCAGACATCTTGACCACTACA
 CAGTATACAATCTGTCACCTAAGTCTTATCGAACTGCCAAGTTTCACAGCCGGTCTCAGAATGCAGTTG
 GCCATTAGGCAGGCTCCAGTCTGCACAACCTTTTTGCTGTGTGTCGGAATATGTATAACTGGCTACTG
 CAGAATCCAAAAATGTCTGTGTGTCCACTGCTTGGATGGACGGGCGGCATCATCAATTCTGGTTGGTG
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 AGGAATTGGACTTTCACCATCCCATAGGAGATACCTGGGCTATATGTGTGACCTACTGGCAGACAAGCCC
 TACCGCCCTCACTTCAAGCCTCTCAAAATTAAGTCGATCACTGTCAAGTCCAAATACCTTTTTCAACAAAC
 AGAGGAATGGATGTCGCCCTTACTGTGATGTAATCATTGGAGAAACAAAATATATTCGACTTGCACAGA
 TTTTGAACGAATGAAAGAATATCGTGTCCAAGATGGAAAAATCTTCATTCCCTTGAACATCACTGTGCAA
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 CAAGCCTGAGTTAGATGCATGTGATGTACCAGAAAAATCCTCAGCTATTTTCAAGTGCAGCTGGATGTA
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 TGTTTGGGGTGGAGGTGCAGCTGGTCCACCCAGGCTGGACAGTCAAGGAGTGAAGATGTGTTTATCC
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 AGAGTGGGAGAAGGTGCCACCTTTGACCCATTTGGAGCACCTTAAACCATCAGGTGAGGATTTGCTGG
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 GAAAGGAGGAAATGGCCAAGGAAATGGATCCTGAGAAATTAAGATTCTGGAATGGATTGAAGGCAAGA
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 GTTGGCATGGCAGACCTGGTAACACCAGAGCAGGTGAAGAAGGTGTACAGGAAGGCTGTCCTGGTGGTGC
 ACCCAGATAAAGTACTGGGCAACCCTATGAACAATACGCAAAGATGATTTTCATGGAGCTCAATGATGC
 CTGGTCTGAATTTGAAAACCAAGGCCAAAAGCCCTTATAT

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG235005 representing NM_001256865
 Red=Cloning site Green=Tags(s)

MEPSYGGGLFDMVKGGAGRLFSNLKDNLDLTKDTSRVIQSVTSYTKGDLDFTYVTSRIIVMSFPLDNV
 DIGFRNQVDDIRSFLLDSRHLHDHYVYNLSPKSYRTAKFHSRVSECSWPIRQAPSLHNLFAVCRNMYNWLL
 QNPKNVCVVHCLDGRAASSILVGAMFIFCNLYSTPGPAIRLLYAKRPGIGLSPSHRRYLGYMCDLLADKP
 YRPHFKPLTIKSI TVSPIPFNFKQRNGCRPYCDVLIGETKIYSTCTDFERMKEYRVQDGKIFIPLNITVQ
 GDVVVSMYHLRSTIGSRLQAKVTNTQIFQLQFHTGFIPLDTTVLKFTKPELDACDVPEKYPQLFQVTLDV
 ELQPHDKVIDLTPPWEHYCTKDVNPSILFSSHQEHQDTLALGGQAPIDIPDPNPRHYGQSGFFASLCWQD
 QKSEKSFCEEDHAALVNQEQSDELLTLSSPHGNANGDKPHGVKPKSKQQEPAAPPPEDVDLLGLE
 GSAMNSFSPPAAPPTNSELLSDLFGGGGAAGPTQAGQSGVEDVFHPSGPASTQSTPRRSATSTSASPTL
 RVGEGATDFDPGAPSKPSGQDLLGSFLNTSSASSDPFLQPTRSPSPTVHASSTPAVNIQPDVSGGWDWHA
 KPGGFGMGSKSAATSPTGSSHGTPHQSKPQTLDPFADLGLTSSSFASKPTTPTGLGGFPPLSSPQKA
 SPQPMGGGWQGGAYNWQQPQPKPQPSMPHSSPQNRPNYNVFSAMPGGQNERGKSSNLEKQKAADF
 DLLSGQGFNAHKDKKGPRTIAEMRKEEMAKEMDPEKLIKLEWIEGKERNIRALLSTMHTVLWAGETKWKP
 VGMADLVTPEQVKVYRKAVLVVHPDKATGQPYEQYAKMIFMELNDAWSEFENQGGKPLY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

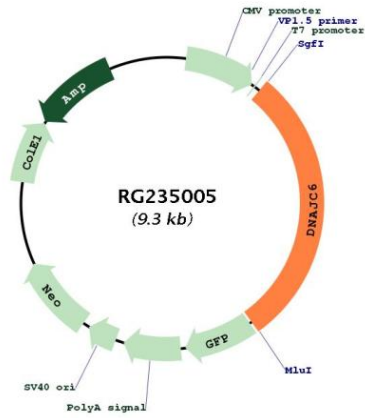
Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN:	NM_001256865
ORF Size:	2700 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:	<ol style="list-style-type: none">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_001256865.1 , NP_001243794.1
RefSeq Size:	5916 bp
RefSeq ORF:	2703 bp
Locus ID:	9829
UniProt ID:	O75061
Cytogenetics:	1p31.3
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
Gene Summary:	DNAJC6 belongs to the evolutionarily conserved DNAJ/HSP40 family of proteins, which regulate molecular chaperone activity by stimulating ATPase activity. DNAJ proteins may have up to 3 distinct domains: a conserved 70-amino acid J domain, usually at the N terminus, a glycine/phenylalanine (G/F)-rich region, and a cysteine-rich domain containing 4 motifs resembling a zinc finger domain (Ohtsuka and Hata, 2000 [PubMed 11147971]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG235005