

Product datasheet for **RG214801**

DNAJC6 (NM_014787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DNAJC6 (NM_014787) 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:

>RG214801 representing NM_014787
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGATTCTGAAAATAAAGGTGCCTCATCTCCAGACATGGAGCCAGCTATGGGGGAGGTCTCTTTG
 ACATGGTAAAAGGAGGTGCAGGGAGGCTCTTTAGTAACCTAAAGGACAACCTTGAAAGACACCCTCAAAGA
 CACATCTTCTAGAGTGATACAATCTGTGACCAGCTACACAAAGGAGATTTAGACTTCACCTATGTTACC
 TCCAGAATTATTGTGATGTCCTTTCTCTGGACAATGTTGACATAGGATTCAGGAATCAGGTTGATGACA
 TTCGAAGCTTTTTGGATTCCAGACATCTTGACCACTACACAGTATAACAATCTGTACCTAAGTCTTATCG
 AACTGCCAAGTTTCACAGCCGGTCTCAGAATGCAGTTGGCCATTAGGCAGGCTCCAGTCTGCACAAC
 CTTTTTGTGTGTGCGAATATGTATAACTGGCTACTGCAGAATCCAAAAATGTCTGTGTGTGCCACT
 GCTTGGATGGACGGGCGGCATCAATCTGGTTGGTGTATGTTCAATTTCTGTAATCTCTACTCTAC
 TCCTGGCCAGCCATTGATTGCTATATGCAAAGCGACCAGGAATTGGACTTTCACCATCCCATAGGAGA
 TACCTGGGCTATATGTGTGACCTACTGGCAGACAAGCCCTACCGCCTCACTTCAAGCCTCTCACAATTA
 AGTCGATCACTGTGAGTCCAATACCCCTTTTCAACAAACAGAGGAATGGATGTCGCCCTTACTGTGATGT
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 GATGGAAAAATCTTCATTCCTTGAACATCACTGTGCAAGGAGACGTGGTTGTTCCATGTATCACTTGA
 GGTCAACCATTGGGAGCCGGCTACAGGCTAAGGTGACCAACACACAGATATCCAGCTTCAGTTTACAC
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 GAAAAATATCCTCAGCTATTTCAAGTGACACTGGATGTAGAATACAGCCCCATGACAAAATGATAGAT
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 ACATCAAGATACGCTGGCCTTAGGAGGACAGGCTCCAATAGATATCCCTCCAGACAACCCAGGCATTAC
 GGACAAAGTGTTTTCTTTCCTCTCTGTTGGCAAGATCAGAAATCGGAGAAGTCATTCTGTGAGGAGG
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 TGGCAATGCCAATGGTGACAAGCCTCATGGAGTCAAGAAGCCAGCAAAAAGCAGCAGGAGCCAGCAGCC
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 CAGCGGCTCTCCACCAATTCTGAACACTGAGTGACCTGTTTGGGGTGGAGGTGCAGCTGGTCCAC
 CCAGGCTGGACAGTCAGGAGTGAAGATGTGTTTCATCCTAGTGGACCTGCGTCTACCCAGTCAACACCA
 CGCGGCTCTGCCACCTCCACCTCTGCGTCTCAACCCTAAGAGTGGGAGAAGGTGCCACCTTTGACCCAT
 TTGGAGCACCTTCTAAACCATCAGGTGAGGATTTGCTGGGTTCTTTCTGAACACATCCAGTGCTTCCAG
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 ACAATACGCAAAGATGATTTTCATGGAGCTCAATGATGCCTGGTCTGAATTTGAAAACCAAGGCCAAAAG
 CCCTTATAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214801 representing NM_014787
 Red=Cloning site Green=Tags(s)

MKDSENKGASSPDMEPSYGGGLFDMVKGAGRLFNLKDNLKDTLKDTSRVIQSVTSYTKGDLDFYVT
 SRIIVMSFPLDNVDIGFRNQVDDIRSFLLDSRHLHDHYTVYVNLSPKSYRTAKFHRSRVSECSWPIRQAPSLHN
 LFAVCRNMYNWLQPNKNCVHCLDGRAASSILVGAMFIFCNLYSTPGPAIRLLYAKRPGIGLSPSHRR
 YLGVMCDLLADKPYRPHFKPLTIKSITVSPPIFFNKQRNGCRPYCDVLIGETKIYSTCTDFERMKEYRVQ
 DGKIFIPLNITVQGDVVVSMYHLRSTIGSRLQAKVTNTQIFQLQFHTGFIPLDTTVLKFTKPELDACDVP
 EKYPQLFQVTLDELQPHDKVIDLTPPWEHYCTKDVNPSILFSSHQEHQDTLALGGQAPIDIPPDPNPRHY
 GQSGFFASLWCQDQKSEKSFCEEDHAALVNQEQSDDELLTSSPHGNANGDKPHGVKKPSKKQQEPAA
 PPPPEDVDLLGLEGSAMNSFPPAAPTNSELLSDLFGGGAAGPTQAGQSGVEDVFHPSGPASTQSTP
 RRSATSTSASPTLRVGEATFDPFGAPSKPSGQDLLGSFLNTSSASSDPFLQPTRSPSPTVHASSTPAVN
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 GGGFPPLSSPQKASPQPMGGWQQGGAYNWQQPQPKPQSPMPHSSPQNRPNYNVVSF SAMPGGQNERGKGS
 SNLEGKQKAADFEDLLSGQGFNAHKDKKGPRTIAEMRKEEMAKEMDPEKLIKILEWIEGKERNIRALLSTM
 HTVLWAGETKWKPVGMADLVTPEQYKVKVYRKAVLVVHPDKATGQPYEQYAKMIFMELNDAWSEFENQGGK
 PLY

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

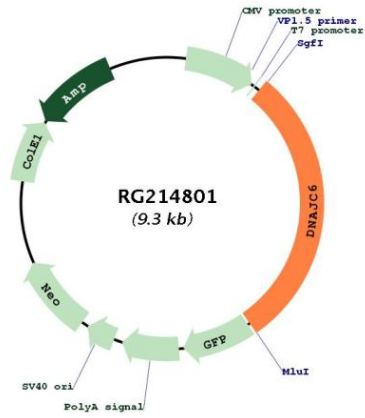
Cloning Scheme:



ACCN: NM_014787

ORF Size:	2739 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_014787.4
RefSeq Size:	5750 bp
RefSeq ORF:	2742 bp
Locus ID:	9829
UniProt ID:	O75061
Cytogenetics:	1p31.3
Domains:	Dnaj
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 RG214801