

## Product datasheet for **RC235005**

### **DNAJC6 (NM\_001256865) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	DNAJC6 (NM_001256865) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DNAJC6
Synonyms:	DJC6; PARK19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC235005 representing NM\_001256865  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCCAGCTATGGGGGAGGTCTCTTTGACATGGTAAAAGGAGGTGCAGGGAGGCTCTTTAGTAACC  
 TAAAGGACAACCTGAAAGACACCCTCAAAGACACATCTTCTAGAGTGATACAATCTGTGACCAGCTACAC  
 AAAGGGAGATTTAGACTTCACTTATGTTACCTCCAGAATTATTGTGATGTCCTTTCTCTGGACAATGTT  
 GACATAGGATTCAGGAATCAGGTTGATGACATTCGAAGCTTTTTGGATTCCAGACATCTTGACCACTACA  
 CAGTATACAATCTGTCACCTAAGTCTTATCGAACTGCCAAGTTTCACAGCCGGTCTCAGAATGCAGTTG  
 GCCATTAGGCAGGCTCCAGTCTGCACAACCTTTTTGCTGTGTGTCGGAATATGTATAACTGGCTACTG  
 CAGAATCCAAAATGTCTGTGTGTCCACTGCTGGATGGACGGGCGGCATCATCAATTCTGGTTGGTG  
 CTATGTTCATTTTCTGTAATCTCTACTCTACTCTGGCCAGCCATTGATTGCTATATGCAAAGCGACC  
 AGGAATTGGACTTTCACCATCCCATAGGAGATACCTGGGCTATATGTGTGACCTACTGGCAGACAAGCCC  
 TACCGCCCTCACTTCAAGCCTCTCACAATTAAGTCGATCACTGTCAAGTCCAAATACCTTTTTCAACAAC  
 AGAGGAATGGATGTCGCCCTTACTGTGATGTAATCATTGGAGAAACAAAATATATTCGACTTGCACAGA  
 TTTTGAACGAATGAAAGAATATCGTGTCCAAGATGGAAAATCTTCATTCCCTTGAACATCACTGTGCAA  
 GGAGACGTGGTTGTTCCATGTATCACTTGAGGTCAACCATGGGAGCCGGCTACAGGCTAAGGTGACCA  
 ACACACAGATATCCAGCTTCAGTTTCACTGGATTCACTACTGGACACAACAGTTTTAAAGTTCAC  
 CAAGCCTGAGTTAGATGCATGTGATGTACCAGAAAAATCCTCAGCTATTTCAAGTGCAGCTGGATGTA  
 GAACTACAGCCCCATGACAAAAGTAAAGACTTAACTCCACCATGGGAACATTACTGCACAAAAGATGTA  
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 GCCCAGCAAAAAGCAGCAGGAGCCAGCAGCCCTCCACCCCTGAGGATGTGGACCTTTTGGCCTGGAA  
 GGGTCTGCAATGAGTAACAGCTTCTCTCCGCCAGCGGCTCTCCACCAATTCTGAACTACTGAGTGACC  
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 TAGTGGACCTGCGTCTACCCAGTCAACACCACGCGCTCTGCCACCTCCACCTCTGCGTCTCCAACCTA  
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 GTTCTTTTCTGAACACATCCAGTCTTCCAGTGACCCCTTTCTCCAGCCAACAAGAAGTCCCTCGCCAC  
 AGTACATGCTTCTAGTACGCCTGCTGTGAACATTCAGCCAGATGTTTCTGGAGGTTGGGACTGGCATGCT  
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 CCACCCATCAAAGCAAACCCAGACTCTGGATCCTTTTGGCGACCTTGGGACACTAGGTAGTTCTTCCCT  
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 GAAAGGAGGAAATGGCCAAGGAAATGGATCCTGAGAAATTAAGATTCTGGAATGGATTGAAGGCAAGA  
 AAGAAATATCAGAGCCCTTTTCCACGATGCATACCGTACTATGGGCTGGGAGACCAAGTGGAAACCA  
 GTTGGCATGGCAGACCTGGTAACACCAGAGCAGGTGAAGAAGGTGTACAGGAAGGCTGTCCTGGTGGTGC  
 ACCCAGATAAAGTACTGGGCAACCTATGAACAATACGCAAAGATGATTTTCTGAGCTCAATGATGC  
 CTGGTCTGAATTTGAAAACCAAGGCCAAAAGCCCTTATAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC235005 representing NM\_001256865  
Red=Cloning site Green=Tags(s)

MEPSYGGGLFDMVKGAGRLFSNLKDNLDKDTLSSRVISVTSYTKGDLDFYVTSRIIVMSFPLDNV  
 DIGFRNQVDDIRSFLLDSRHLHDHYVYNLSPKSYRTAKFHRSRVSECSWPIRQAPSLHNLFVCRNMYNWLL  
 QNPKNVCVVHCLDGRAASSILVGAMFIFCNLYSTPGPAIRLLYAKRPGIGLSPSHRRYLGYMCDLLADKP  
 YRPHFKPLTIKSIIVSPIPFNFKQRNGCRPYCDVLIGETKIYSTCTDFERMKEYRVQDGKIFIPLNITVQ  
 GDVVVSMYHLRSTIGSRLQAKVTNTQIFQLQFHTGFIPLDITTVLKFTKPELDACDVPEKYQLFQVTLDV  
 ELQPHDKVIDLTPPWEHYCTKDVNPSILFSSHQEHQDTLALGGQAPIDIPDPNPRHYQSGFFASLCWQD  
 QKSEKSFCEEDHAALVNQEQSDELLTLSSPHGNANGDKPHGVKPKSKKQEPAAAPPPEDVDLLGLE  
 GSAMNSFSPPAAPPTNSELLSDLFGGGAAGPTQAGQSGVEDVFHPSGPASTQSTPRRSATSTSASPTL  
 RVGEGATDFPFGAPSKPSGQDLLGSFLNTSSASSDPFLQPTRSPSPVHASSTPAVNIQPDVSGGWDWHA  
 KPGGFGMGSKSAATSPTGSSHGTPHQSKPQTLDPFADLGLTSSSFASKPTTPTGLGGFPPLSSPQKA  
 SPQPMGGGWQGGAYNWQPQPKPQPSMPHSSQNRPNYNVFSAMPGGQNERGKSSNLEGGKQKAADFE  
 DLLSGQGFNAHKDKKGPRTIAEMRKEEMAKEMDPEKLIKLEWIEGKERNIRALLSTMHTVLWAGETKWKP  
 VGMADLVTPEQVKVYRKAVLVVHPDKATGQPYEQYAKMIFMELNDAWSEFENQGGKPLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

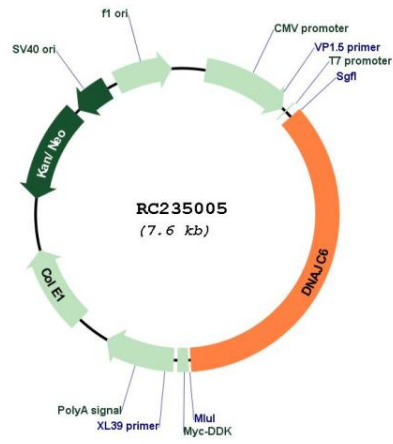
**Cloning Scheme:**



**ACCN:** NM\_001256865

<b>ORF Size:</b>	2700 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001256865.1</a> , <a href="#">NP_001243794.1</a>
<b>RefSeq Size:</b>	5916 bp
<b>RefSeq ORF:</b>	2703 bp
<b>Locus ID:</b>	9829
<b>UniProt ID:</b>	<a href="#">O75061</a>
<b>Cytogenetics:</b>	1p31.3
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Endocytosis
<b>MW:</b>	99.1 kDa
<b>Gene Summary:</b>	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 RC235005