

Product datasheet for **MR224463**

Dnajc6 (NM_001164584) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnajc6 (NM_001164584) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnajc6
Synonyms:	2810027M23Rik; mKIAA0473
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224463 representing NM_001164584
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACAAATCCAAGTCAGGGTTGCAGAGTCAGCCGACTTGCCTGCTCTCGTGCAGCAGCGGGAGAAA
 ACAGAATGAAAGATTCTGAAAATAAAGGTGCCTCGTCTCCAGACATGGAGCCAGCTATGGGGGAGGCCT
 TTTTGACATGGTAAAAGCGGTGCAAGGAGGCTATTAGTAACCTGAAGGACAACCTGAAAGACACTCTC
 AAAGATACATCCTCCAGGGTCATCCAGTCTGTTAGCAGCTACACAAAGGAGACCTAGACTTTACTTACG
 TCACCTCCAGGATTATCGTGATGTCCTTTCTGTGGATAGTGTGACATAGGATTCAGGAATCAGGTTGA
 TGACATCCGTAGCTTTTGGATTCCAGACATCTTGACCACTACACAGTATACAACCTGTCACCCAAGTCT
 TACCGAAGTCCAAAGTCCACAGCCGGTCTCAGAGTGCAGTTGGCCATCAGGCAGGCTCCAAGTCTAC
 ACAACCTGTTTGTGTGTAGGAATATGTATAACTGGCTACTGCAGAACCCAAAAATGTCTGTGTTGT
 CCACTGCTTGGATGGACGGGCCGCTCGTCAATCCTGGTGGTGCTATGTTCAATTTCTGTAATCTCTAC
 TCACGCCTGGCCCTGCTGTTCCGATTACTCTACGCAAAGCGACCAAGGAATGGACTGTCTCCGTCTACA
 GGAGTACTTAGGCTACATGTGCGCACTACTTGACAGATAAGCCCTACCGCCCTCACTTCAAGCCACTCAC
 GATCAAGGCAATCACTGTGAGCCAGTTCCTTCAATAAGCAGAGAAATGGGTGCCGCCCTTACTGT
 GACGTTCTGATTGGAGAACTAAAATAATTCAACGTGCACAGACTTTGAACGAATGAAAGAATACCGTG
 TCCAAGATGGGAAAACTTTCATCCCTCTGAACATCACAGTCCAAGGTGATGTCATCGTTTCCATGTACCA
 CTTGCGGTCAACCATCGGAGCCGGCTGCAGGCCAAGGTGACCAACACACAGATATCCAGCTCCAGTTT
 CATTCTGGGTTTATACCACTGGACACGACAGTTTAAAGTTCACCAAGCCTGAGCTGGATGCATGTGATG
 TACCAGAAAAATATCCTCAGCTTCCAAGTGACACTGGATATAGAAGTCCAGCCCAAGCAAAAGTGTG
 CGACTTAACTCCACCATGGGAACACTACTGCACAAAAGATGTGAACCCAGCATCCTCTTCTCCTCAG
 CAGGAGCATCAGGACACTCTGGCCTTAGGGGTGAGGCTCCAGCCGATCTCCACAGACCATCCAGGA
 ATCTTGGGCAAGGAGGCTTCTTGCCTCTCTGTTGGCAAGATCAGAAATCAGAGAAGTACGCTGTGA
 GGAGGACCACGCTGCCCTGGTGAATCAGGAAAGTGAAGTGCAGTGCAGATGATGAGCTACTGACTCTCCAGC
 CCCCATGGCAATGCAGAGGGTGATAAGCCTCATGGAGCCAAGAAGCCAGGCAAAAAGCAGCAGGAGCCAG
 CTGCGCCTCTCCCCAGAGGAAGTGGACCTCTGGCCCTGGAAGGGTCTGATGTGAGCAGCAACTTCTC
 TTCTTGGCAGCTCTCCAGCAATTCTGAGTTGCTGAGTGACCTGTTTGGGGGTGATGGTCCACAGGT
 CCTGCTCAGGCAGGACAGGCTGGGTAGAAGATGTGTTTCACTCCTAGTGGACCTGTGCTGCACAGTCCA
 CACCGCGCGAACCGCCACCTCCGCCTCTGCATCGCCAACCTAAGAGTGGGAGAAGGTGCCACCTTTGA
 CCCTTTTGGAGCCCTGTAAAGCCACCAGGTGAGGATTTGTTGGGCTCCTTTCTAAACACATCCAGTGT
 TCTAGCGACCCCTTTCTGCAGCCACGAGAAGCCCTTCCCTACAGTGCATGCTTCTAGTACTCCTGCTG
 TGAACATCCAGCCGACATTGCTGGAGGTTGGGACTGGCACACCAAAACCAGGAGGTTTTGGAATGGGGAG
 CAAATCCGCTGCCACCAGCCGACAGGCTCATCACATGGCACCCCAACCCATCAGAGCAAGCCCAAGACT
 CTGGATCCCTTCGCTGACCTGGGACACTAGGTAGCTTTCATTTGCCAGCAAACCTACCACCCAACTG
 GATTGGGTGGAGGATTTCCACCTCTCAGCTCACACAGAAAGCATCCCCCAGCCAATGGGTGGAGGGTG
 GCAGCAGCCAGCCGGCTACAACCTGGCAGCAGACACAGTCTAAGCCACAGTCCAGTATGCCTCACTCCTCC
 CCTCAGAACCGACCAATTACAACGTGAGCTTCTCGGCTATGCCTGCAGGGCAGAGCGAAGCTGGAAAAG
 GATCTACTAACTTGAAGGGAAAACAAAAGGCTGCTGACTTTGAAGATCTGCTTTCTAGTCAAGGCTTCAA
 TGACACAAAAGACAAAAGGGCCCTCGAACAAATAGCTGAGATGAGAAAAGGAGGAGATGGCTAAGGAAATG
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 CAATGCACACCGTGTGTGGCTGGGAGACCAATGAAACCCGTGGGCATGGCGGATCTGGTGACGCC
 GGAGCAAGTGAAGAAGGTGTACAGGAGGGCTGTGCTAGTGGTGCACCCTGACAAGGCAACTGGGCAACCC
 TATGAACAATACGCAAAGATGATTTTCATGGAGCTAAATGATGCCTGGTCTGAATTTGAAAACCAAGGCC
 AAAAGCCCTTGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224463 representing NM_001164584
 Red=Cloning site Green=Tags(s)

MTNPKSGVAESAGLACSRAAAGENRMKDSENKASSPDMEPSYGGGLFDMVKGAGRLFSNLKDNLKDTL
 KDTSSRVIQSVSSYTKGDLDFTYVTSRIIVMSFPVDSVDIGFRNQVDDIRSFLDSSRHLHDHYTVYNLSPKS
 YRTAKFHSRVSECSWPIRQAPSLHNLFAVCRNMYNWLLQNPKNVCVVHCLDGRAASSILVGAMFIFCNLY
 STPGPAVRLLYAKRPGIGLSPSHRRYLGYMCDLLADKPYRPHFKPLTIKAITVSPVFFNKRNGCRPYC
 DVLIGETKIYSTCTDFERMKEYRVQDGKIFIPLNITVQGDVIVSMYHLRSTIGSRLQAKVTNTQIFQLQF
 HSGFIPLDTTVLKFTKPELDACDVPEKYPLFQVTLDIEVQPDQKVIDLTPPWEHYCTKDVNPSILFSSQ
 QEHQDTLALGGQAPADLPPDHPRLGQGGFFASLCWQDQKSEKSRCEEDHAALVNQESEQSDELLTLSS
 PHGNAEGDKPHGAKKPGKKQEQEAAPPPPEVDLLGLEGSDVSTNSSLAAPPNSSELLSDLFGVGATG
 PAQAGQAGVEDVFHPSGPVSAQSTPRRTATSASASPTLRVGEATFDPPGAPAKPPGQDLLGSFLNTSSA
 SSDPFLQPTRSPPTVHASSTPAVNIQPDIAAGWDWHTKPGGFMGSKSAATSPTGSSHGTPTHQSKPQT
 LDPFADLGTLGSSSFASKPTTPTGLGGFPPLSSPQKASPQPMGGGWQQPAGYNWQQTQSKPQSSMPHSS
 PQNRPNYNVFSAMPAGQSERGKSTNLEGGKQKAADFEDLLSSQGFNAHKDKKGPRTIAEMRKEEMAKEM
 DPEKLIKLEWIEGKERNIRALLSTMHTVLWAGETKWKPVGMADLVTPEQVKVYRRAVLVHPDKATGQP
 YEYAKMIFMELNDAWSEFENQGGKPLY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9090_f09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



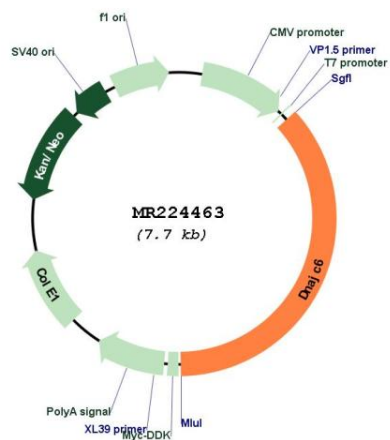
* The last codon before the Stop codon of the ORF

ACCN: NM_001164584

ORF Size: 2814 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_001164584.1 , NP_001158056.1
RefSeq Size:	5165 bp
RefSeq ORF:	2817 bp
Locus ID:	72685
UniProt ID:	Q80TZ3
Cytogenetics:	4 C6
MW:	102.3 kDa
Gene Summary:	Recruits HSPA8/HSC70 to clathrin-coated vesicles and promotes uncoating of clathrin-coated vesicles. Plays a role in clathrin-mediated endocytosis in neurons.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224463