

## Product datasheet for **MC226235**

### **Dnajc5 (NM\_001271584) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dnajc5 (NM\_001271584) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dnajc5  
**Synonyms:** 2610314I24Rik; AU018536; Csp  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226235 representing NM\_001271584  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCGACCAGAGGCAGCGCTCACTCTCTACTCCGGGAATCATTATACCATGTTCTTGGACTGGACA  
 AGAATGCAACCTCAGATGACATTAAGTCTATCGGAAGCTGGCCCTGAAGTATCACCTGACAAGAA  
 CCCTGATAACCCAGAGGCTGCAGACAAGTTAAGGAGATTAACAACGCACACGCCATCCTGACAGACGCC  
 ACGAAAAGAAACATTTATGACAAGTATGGCTCGCTGGGGCTCTATGTGGCGGAGCAGTTTGGGGAGGAGA  
 ACGTCAACACCTACTTCGTACTCTCCAGCTGGTGGGCCAAGGCGCTGTTTGTGTTTGTGGCCCTCTCAC  
 CTGCTGCTACTGCTGCTGCTGTTTGTGCTGTTGCTTAACTGCTGCTGTGGGAAATGCAAGCCCAAGGCA  
 CCTGAGGGTGAGGAGACAGAATTCTACGTATCCCTGAAGACTTGGAGGCACAGCTGCAGTCTGATGAAA  
 GGGAGGCTACAGACACCCGATCGTCATACAGCCAGCATCTGCCACAGAGACCACCCAGCTGACAGCTGA  
 CTTCCACCCAGCTATCACACCGCGGGTTCAACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271584  
**Insert Size:** 597 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001271584.1</a></u> , <u><a href="#">NP_001258513.1</a></u>
<b>RefSeq Size:</b>	4378 bp
<b>RefSeq ORF:</b>	597 bp
<b>Locus ID:</b>	13002
<b>UniProt ID:</b>	<u><a href="#">P60904</a></u>
<b>Cytogenetics:</b>	2 103.63 cM
<b>Gene Summary:</b>	<p>Acts as a co-chaperone for the SNARE protein SNAP-25 (PubMed:22187053). Involved in the calcium-mediated control of a late stage of exocytosis (PubMed:20847230). Acts as a general chaperone in regulated exocytosis (By similarity). May have an important role in presynaptic function (By similarity). May be involved in calcium-dependent neurotransmitter release at nerve endings (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon in the 5' UTR and contains another compared to variant 1. Variants 1, 2, and 3 all encode the same protein.</p>