

## Product datasheet for **MC226236**

### **Dnajc5 (NM\_001271585) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dnajc5 (NM\_001271585) 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:** >MC226236 representing NM\_001271585  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCGACCAGAGGCAGCGCTCACTCTCTACTTCGGGGAATCATTATACCATGTTCTTGGACTGGACA  
AGAATGCAACCTCAGATGACATTAAGTCTATCGGAAGCTGGCCCTGAAGTATCACCTGACAAGAA  
CCCTGATAACCCAGAGGCTGCAGACAAGTTAAGGAGATTAACAACGCACACGCCATCCTGACAGACGCC  
ACGAAAAGAAACATTTATGACAAGTATGGCTCGCTGGGGCTCTATGTGGCGGAGCAGTTTGGGGAGGAGA  
ACGTCAACACCTACTTCGTACTCTCCAGCTGGTGGGCCAAGGCGCTGTTTGTGTTTGTGGCCCTCTCAC  
CTGCTGCTACTGCTGCTGCTGTTTGTGCTGTTGCTTAACTGCTGCTGTGGGAAATGCAAGCCCAAGGCA  
CCTGAGGGTGAGGAGACAGAATTCTACGTATCCCTGAAGACTTGGAGGCACAGCTGCAGTCTGATGAAA  
GGGAGGCTACAGACACCCGATCGTCATACAGCCAGCATCTGCCACAGAGACCACCCAGCTGACAGCTGA  
CTCCACCCAGCTATCACACCGGGTTCAACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271585  
**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>                | <a href="#">NM_001271585.1</a> , <a href="#">NP_001258514.1</a>   |
| <b>RefSeq Size:</b>           | 4405 bp   |
| <b>RefSeq ORF:</b>            | 597 bp  |
| <b>Locus ID:</b>              | 13002   |
| <b>UniProt ID:</b>            | <a href="#">P60904</a>  |
| <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 (1) represents the longest transcript. Variants 1, 2, and 3 all encode the same protein.</p> |