

Product datasheet for **MC216696**

Dnaja3 (NM_023646) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaja3 (NM_023646) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dnaja3
Synonyms:	1200003J13Rik; 1810053A11Rik; C81173; Tid-1; Tid11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216696 representing NM_023646
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGTGGTGTCCACGCTGGTTGAGGGTGGCAGTGGGGACTCCCCGGCTGCCGGCTGCAGCGG
 GGAGAGGGGTCCAGCAGCCCAGGGGGCGTAGTGGCAACATCCCTGTGTGCAAGCTGTGCGTCTCTGC
 CTCGGGCTTTCATGGGCGCTCACGGCCCCGGGCGCTGCTGACATTGAGACCCGGTGTCCGCCTCACA
 GGAACAAAAAGTTCCCTTTTGTGTACCACCTTTCCACACAAGTGTTCTTTGGCCAAAGATGATT
 ATTACCAGATCTGGGAGTGCCCCGAAATGCCAGCCAGAAAGATATCAAGAAAGCCTATTATCAGCTTGC
 CAAGAAATATCATCCAGACACAAATAAGGATGATCCCAAAGCCAAGGAGAAGTTTTCCAGCTGGCAGAA
 GCTTATGAGGTGTGAGCGATGAAGTGAAGAGGAAGCAGTATGACGCTTACGGCTCTGCTGGCTTTGACC
 CTGGCACCAGCAGCTCTGGCAGGGCTACTGGAGAGGAGTCCCTCTGTTGACCCCGAGGAGTTGTTGAG
 GAAGATCTTTGGGAGTTCTCATCTTCTCTTTTGGTGATTTCCAGAATGTGTTTGTATCAGCCTCAGGAA
 TACATCATGGAATTGACATTCATCAAGCTGCCAAGGGTGTCAACAAGAGTTCACTGTGAACATTATGG
 ATACCTGTGAGCGCTGTGACGGCAAGGGGAACGAGCCTGGAACCAAGTGACGATTGCCATTACTGTGG
 CGGCTCGGGCATGGAACATCAATACAGGGCCTTTTGTGATGCGTTCACATGTCGGAGATGTGGTGGC
 CGGGGCTCCATCATCACAAATCCCTGTGTGGTCTGCAGGGGAGCAGGACAAGCCAAGCAGAAGAAGCGCG
 TGACAATTCCTGTGCCTGCAGGAGTTGAAGATGGTCAGACTGTAAGGATGCCAGTGGGAAAACGAGAAAT
 TTTTGTACATTCAGGGTGCAGAAAAGCCCTGTGTTCCGGAGGGACGGTGCAGACATCCACTCGGACCTC
 TTTATTTCAATAGCTCAAGCTATTCTTGGGGCCACAGCCAAAGCCAGGGCCTGTATGAGACAATCAATG
 TGACGATCCCTGCAGGGATTTCAGACAGACCAGAAGATTGTTTACTGGAAAAGGCATCCCCGGATTAA
 TAGCTATGGCTATGGTGACCACTACATTCACATCAAGATCAGAGTTCCAAGAGGCTGAGCAGTAGGCAG
 CAGAACCCTGATCCTGAGCTATGCCGAGGATGAGACTGACGTGGAGGGGACGGTTAATGGAGTCAACCACA
 CAAGCACTGGTGGCAGAACCATGGATAGCTCCGCAGGAAGCAAGGATAGCGGAGAGGCTGGGGAGGACAA
 TGAGGGATTCTTTCCAAACTTAAGAAAATATTTACTTCTGA

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_023646
- Insert Size:** 1443 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).
- 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:**
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_023646.4](#), [NP_076135.3](#)

RefSeq Size: 2666 bp

RefSeq ORF: 1443 bp

Locus ID: 83945

UniProt ID: [Q99M87](#)

Cytogenetics: 16 2.46 cM

Gene Summary: Modulates apoptotic signal transduction or effector structures within the mitochondrial matrix. Affect cytochrome C release from the mitochondria and caspase 3 activation, but not caspase 8 activation. Isoform 1 increases apoptosis triggered by both TNF and the DNA-damaging agent mytomycin C; in sharp contrast, isoform 2 suppresses apoptosis. Can modulate IFN-gamma-mediated transcriptional activity (By similarity). Isoform 2 may play a role in neuromuscular junction development as an effector of the MUSK signaling pathway. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).