

Product datasheet for **MC216024**

Dnaja3 (NM_001135112) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnaja3 (NM_001135112) 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



[View online »](#)

Fully Sequenced ORF: >MC216024 representing NM_001135112
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGCGTGGTGTCCCCACGCTGGTTGAGGGTGGCAGTGGGGACTCCCCGGCTGCCGGCTGCAGCGG
 GGAGAGGGGTCCAGCAGCCCCAGGGGGCGTAGTGGCAACATCCCTGTGTGCAAGCTGTGCGTCTCTGC
 CTCGGGCTTTCATGGGCGCTCACGGCCCCGGGCGCTGCTGACATTGAGACCCGGTGTCCGCCTCACA
 GGAACAAAAAGTTCCCTTTTGTGTACCACCTTTCCACACAAGTGTTCTTTGGCCAAAGATGATT
 ATTACCAGATCTGGGAGTGCCCCGAAATGCCAGCCAGAAAGATATCAAGAAAGCCTATTATCAGCTTGC
 CAAGAAATATCATCCAGACACAAATAAGGATGATCCCAAAGCCAAGGAGAAGTTTCCAGCTGGCAGAA
 GCTTATGAGGTGTGAGCGATGAAGTGAAGAGGAAGCAGTATGACGCTTACGGCTCTGCTGGCTTTGACC
 CTGGCACCAGCAGCTCTGGCAGGGCTACTGGAGAGGAGTCCCTCTGTTGACCCCGAGGAGTTGTTGAG
 GAAGATCTTTGGGAGTTCTCATCTTCTCCTTTTGGTGATTTCCAGAATGTGTTTGTATCAGCCTCAGGAA
 TACATCATGGAATTGACATTCATCAAGCTGCCAAGGGTGTCAACAAAGAGTTCACTGTGAACATTATGG
 ATACCTGTGAGCGCTGTGACGGCAAGGGGAACGAGCCTGGAACCAAAGTGACAGCATTGCCATTACTGTGG
 CGGCTCGGGCATGGAAATATCAATACAGGGCCTTTTGTGATGCGTTCACATGTGCGGAGATGTGGTGGC
 CGGGGCTCCATCATCACAAATCCCTGTGTGGTCTGCAGGGGAGCAGGACAAGCCAAGCAGAAGAAGCGCG
 TGACAATTCCTGTGCCTGCAGGAGTTGAAGATGGTCAGACTGTAAAGATGCCAGTGGGAAAAACGAGAAAT
 TTTTGTACATTCAGGGTGCAGAAAAGCCCTGTGTTCCGGAGGGACGGTGCAGACATCCACTCGGACCTC
 TTTATTTCAATAGCTCAAGCTATTCTTGGGGGCACAGCCAAAGCCAGGGCCTGTATGAGACAATCAATG
 TGACGATCCCTGCAGGGATTTCAGACAGACCAGAAGATTGTTGACTGGAAAAGGCATCCCCGGATTAA
 TAGCTATGGCTATGGTGACCACTACATTCACATCAAGATCAGAGTTCCAAGAGGCTGAGCAGTAGGCAG
 CAGAACCTGATCCTGAGCTATGCCGAGGATGAGACTGACGTGGAGGGGACGGTTAATGGAGTCACCCACA
 CAAGCACTGGAAAAGCGTCAACTGGAACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001135112

Insert Size: 1362 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_001135112.1](#), [NP_001128584.1](#)

RefSeq Size: 2549 bp

RefSeq ORF: 1362 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 (2) lacks an exon in the 3' region, as compared to variant 1. The resulting isoform (2) has a shorter and different C-terminus, as compared to isoform 1.