

Product datasheet for TP522980

Dnaja1 (NM_001164671) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse DnaJ heat shock protein family (Hsp40) member A1 (Dnaja1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR222980 representing NM_001164671 Red =Cloning site Green =Tags(s) MVKETYYDVLGVKPNATQEELKKAYRKLALKYHPDKNPNEGEKFKQISQAYEVLADSKKRELYDKGGEQ AIKEGGAGGGFGSPMDIFDMFFGGGGGRMQRERRGKNVVHQLSVTLEDLYNGATRKLALQKNVICDKCEG R GGKKGAVECCPNCRGTMQIRIHQIGPMVQQIQSVCMECQGHGERISPKDRCKSCNGRKIVREKKILEV HIDKGMKDGGQKITFHGEDQEPGLEPGDIIIVLDQKDHAVFTRRGEDLFMCMDIQLVEALCGFQKPISTL DNRTIVITSHPGQIVKHGDIKCVLNEGMPYRRPYEKGRLIEFKVNFPENGFLSPDKLSLLEKLLPERK EVEETDEMDQVELVDFDPNQERRRHYNGEAYEDDEHHPRGGVQCQTS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	44.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001158143
Locus ID:	15502


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UniProt ID: [P63037](#)

RefSeq Size: 3459

Cytogenetics: 4 A5

RefSeq ORF: 1191

Synonyms: Hsj; HSJ-2; Hsj2; Nedd; Nedd7

Summary: The protein encoded by this gene is a member of the DnaJ family, whose members act as cochaperones of heat shock protein 70. Heat shock proteins facilitate protein folding, trafficking, prevention of aggregation, and proteolytic degradation. Members of this family are characterized by a highly conserved N-terminal J domain, a glycine/phenylalanine-rich region, four CxxCxGxG zinc finger repeats, and a C-terminal substrate-binding domain. The J domain mediates the interaction with heat shock protein 70 to recruit substrates and regulate ATP hydrolysis activity. Mice deficient for this gene display reduced levels of activation-induced deaminase, an enzyme that deaminates deoxycytidine at the immunoglobulin genes during immune responses. In addition, mice lacking this gene exhibit severe defects in spermatogenesis. Several pseudogenes of this gene are found on other chromosomes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]