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Product datasheet for TP509498

Dnajc2 (NM_009584) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse DnaJ heat shock protein family (Hsp40) member C2 (Dnajc2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209498 protein sequence Red=Cloning site Green=Tags(s) MLLLPSAAEGQGTAITHALTSASSVCQVEPVGRWFEAFVKRRNRNASTSFQELEDKKELSEESEDEELQL EEFPMLKTLDPKDWKNQDHYAVLGLGHVRYTATQRQIKAAHKAMVLKHHPDKRKAAGEPIKEGDNDYF TC ITKAYEMLSDPVKRRAFNSVDPTFDNSVPSKSEAKDNFFQVFSPVFERNSRWSNKKNVPKLGDMNSSFED VDAFYSFWYNFDSWREFSYLDEEEKEKAECRDERKWIEKQNRATRAQRKKEEMNRIRTLVDNAYSCDPRI KKFKEEEKAKKEAEKKAKAEARRKEQEAKEKQRQAELEAVRLAKEKEEEEVRQQALLAKKEKDIQKKAIK KERQKLRNSCKSWNHFSDNEADRVKMMEEVEKLCDRLELASLQGLNEILASSTREVGKAALEKQIEEVNE QMRREKEEADARMRQASKNAEKSTGGSGSGSKNWSEDDLQLLIKAVNLFPAGTNSRWEVIANYMNIHSS S GVKRTAKDVISKAKSLQKLDPHQKDDINKKAFDKFKKEHGVASQADSAAPSERFEGPCIDSTPWTTEEQK LLEQALKTYPVNTPERWEKIAEAVPGRTKKDCMRRYKELVEMVKAKKAAQEQVLNASRARK TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	71.7 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.

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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_033610
Locus ID:	22791
UniProt ID:	P54103
RefSeq Size:	2037
Cytogenetics:	5 9.97 cM
RefSeq ORF:	1863
Synonyms:	AU020218; MIDA1; Zrf1; Zrf2
Summary:	Acts both as a chaperone in the cytosol and as a chromatin regulator in the nucleus. When cytosolic, acts as a molecular chaperone: component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, stimulates the ATPase activity of the ribosome-associated pool of Hsp70-type chaperones HSPA14 that bind to the nascent polypeptide chain. When nuclear, mediates the switching from polycomb-repressed genes to an active state: specifically recruited at histone H2A ubiquitinated at 'Lys-119' (H2AK119ub), and promotes the displacement of the polycomb PRC1 complex from chromatin, thereby facilitating transcription activation (By similarity). Specifically binds DNA sequence 5'-GTCAAGC-3'.[UniProtKB/Swiss-Prot Function]