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Product datasheet for TP504371

Ciapin1 (NM_134141) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cytokine induced apoptosis inhibitor 1 (Ciapin1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204371 protein sequence Red=Cloning site Green=Tags(s) MEEFGISPGQLVAVFWDKSSPEEALKKLVARLQELTGSEGQVFMENVTQLLQSSHKESSFDVILSGVVPG STSLHSAEVLAEMARILRPGGCLFLKEPVETAEVNNDKMKTASKLCSALTLSGLVEIKELQREALSPEEV QSVQEHLGYHSDSLRSVRVTGKKPNFEVGSSSQLKLPNKKSSSVKPVVDPAAAKLWTLSANDMEDDSVDL IDSDELLDPEDLKRPDPASLKAPSCGEGKKRKACKNCTCGLAEELEREQSKAQSSQPKSACGNCYLGDAF RCANCPYLGMPAFKPGEQVLLSNSNLQDA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	33.4 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_598902
Locus ID:	109006
UniProt ID:	Q8WTY4

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RefSeq Size:	4327
Cytogenetics:	8 C5
RefSeq ORF:	930
Synonyms:	2810413N20Rik; AA617265; anamorsin; AU021794
Summary:	Component of the cytosolic iron-sulfur (Fe-S) protein assembly (CIA) machinery required for the maturation of extramitochondrial Fe-S proteins. Part of an electron transfer chain functioning in an early step of cytosolic Fe-S biogenesis, facilitating the de novo assembly of a [4Fe-4S] cluster on the scaffold complex NUBP1-NUBP2. Electrons are transferred to CIAPIN1 from NADPH via the FAD- and FMN-containing protein NDOR1. NDOR1-CIAPIN1 are also required for the assembly of the diferric tyrosyl radical cofactor of ribonucleotide reductase (RNR), probably by providing electrons for reduction during radical cofactor maturation in the catalytic small subunit (By similarity). Has anti-apoptotic effects in the cell. Involved in negative control of cell death upon cytokine withdrawal. Promotes development of hematopoietic cells (PubMed:14970183).[UniProtKB/Swiss-Prot Function]