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Product datasheet for TP506196

Txnip (NM_023719) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse thioredoxin interacting protein (Txnip), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206196 representing NM_023719 Red=Cloning site Green=Tags(s) MVMFKKIKSFEVVFNDPEKVYGSGEKVAGRVIVEVCEVTRVKAVRILACGVAKVLWMQGSQQCKQTLDYL RYEDTLLLEEQPTGENEMVIMRPGNKYEYKFGFELPQGPLGTSFKGKYGCVDYWVKAFLDRPSQPTQEAK KNFEVMDLVDVNTPDLMAPVSAKKEKKVSCMFIPDGRVSVSARIDRKGFCEGDDISIHADFENTCSRIVV PKAAIVARHTYLANGQTKVFTQKLSSVRGNHIISGTCASWRGKSLRVQKIRPSILGCNILKVEYSLLIYV SVPGSKKVILDLPLVIGSRSGLSSRTSSMASRTSSEMSWIDLNIPDTPEAPPCYMDIIPEDHRLESPTTP LLDDVDDSQDSPIFMYAPEFQFMPPPTYTEVDPCVLNNNNNNNNNVQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	44.7 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.
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_076208
Locus ID:	56338
UniProt ID:	Q8BG60

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RefSeq Size:	2806
Cytogenetics:	3 41.93 cM
RefSeq ORF:	1191
Synonyms:	1200008J08Rik; AA682105; Hyplip1; Tbp-2; THIF; VDUP1
Summary:	May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. Interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm. Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1) (By similarity). Functions as a transcriptional repressor, possibly by acting as a bridge molecule between transcription factors and corepressor complexes, and over-expression will induce G0/G1 cell cycle arrest. Required for the maturation of natural killer cells. Acts as a suppressor of tumor cell growth.[UniProtKB/Swiss-Prot Function]