

Product datasheet for TP507062

Khdrbs1 (NM_011317) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse KH domain containing, RNA binding, signal transduction associated 1 (Khdrbs1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207062 representing NM_011317 Red =Cloning site Green =Tags(s)
	<p>MQRRDDPASRLTRSSGRSCSKDPSGAHPSVRLTPSRPSPLPHRPRGGGGGPRGGGARASPATQPPPLLPPS TPGPDATVVGSAPTLLPPSATAAVKMEPENKYLPELMAEKDSLDPSTHAMQLLSVEIEKIQKGESKKD DEENYLDFSHKNMCLKERVLPVKQYPKFNFGKILGPQGNTIKRLQEETGAKISVLGKGSMDKAKEE ELRKGDPKYAHLNMDLHVFIIEVFGPPCEAYALMAHAMEEVKKFLVPDMMDDICQEQFLELSYLNQVPEP SRGRGVSVRGRGAAPPPPPVPRGRGVGPPRGALVVRGTPVRSITRGATVTRGVPPPPTVRGAPTPRARTA GIQRIPLPTPAPETYEDYGYDDTYAEQSYEGYEGYYSQSQGESEYYDYGHGELQDSYEAYGQDDWNGTR PSLKAPPARPVKGAYREHPYGRY</p> <p>SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	48.8 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:	<u>NP_035447</u>



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Locus ID:	20218
UniProt ID:	Q60749
RefSeq Size:	3762
Cytogenetics:	4 D2.2
RefSeq ORF:	1329
Synonyms:	p62; p68; Sam68
Summary:	<p>Recruited and tyrosine phosphorylated by several receptor systems, for example the T-cell, leptin and insulin receptors. Once phosphorylated, functions as an adapter protein in signal transduction cascades by binding to SH2 and SH3 domain-containing proteins. Role in G2-M progression in the cell cycle. Represses CBP-dependent transcriptional activation apparently by competing with other nuclear factors for binding to CBP. Also acts as a putative regulator of mRNA stability and/or translation rates and mediates mRNA nuclear export. Positively regulates the association of constitutive transport element (CTE)-containing mRNA with large polyribosomes and translation initiation. May not be involved in the nucleocytoplasmic export of unspliced (CTE)-containing RNA species. RNA-binding protein that plays a role in the regulation of alternative splicing and influences mRNA splice site selection and exon inclusion. Binds to RNA containing 5'-[AU]UAA-3' as a bipartite motif spaced by more than 15 nucleotides. Binds poly(A). In cooperation with HNRNPA1 modulates alternative splicing of BCL2L1 by promoting splicing toward isoform Bcl-X(S), and of SMN1 (By similarity). Can regulate CD44 alternative splicing in a Ras pathway-dependent manner. Can regulate alternative splicing of NRXN1 and NRXN3 in the laminin G-like domain 6 containing the evolutionary conserved neurexin alternative spliced segment 4 (AS4) involved in neurexin selective targeting to postsynaptic partners. In a neuronal activity-dependent manner cooperates synergistically with KHDRBS2/SLIM-1 in regulation of NRXN1 exon skipping at AS4. The cooperation with KHDRBS2/SLIM-1 is antagonistic for regulation of NXRN3 alternative splicing at AS4 (PubMed:12478298, PubMed:22196734, PubMed:24469635).[UniProtKB/Swiss-Prot Function]</p>