

Product datasheet for **TP505930**

Sharpin (NM_025340) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SHANK-associated RH domain interacting protein (Sharpin), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR205930 protein sequence Red =Cloning site Green =Tags(s)

MSPAGGAAVAADPASPVLLAVHAAVRPLGAGQDAEAQPRKLQLIADPERPGRFRLGLLGTEPGAVSLE
WPLEAICYTVRGPNQHELQPPPGGPGTFSVHFLDPEEAQQWAALVRDATAEGQNGSGSPAPAPAMCPI
SPPCSSMAQIPKATQPEVDLPQSSGNFKKEELATRLSQAIAGGDEKAAAQVAVLAQHVALNVQLMEAW
FPPGPIRLQVTVEDATSVLSSSSSAHVSLKIHPHCSIAALQDQVFSEFGFPPAVQRWVIGRCLCMPSRL
ASYGVSQDGDPAFLYLLSAPREVSGQSLQNSKMDRKLGLFPQSLGLPHDLQPSSSSLPSPSQPGWSCPC
TFINASNRPGCEMCSTQRPCAWDPLAAAST

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	39.9 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_079616
Locus ID:	106025
UniProt ID:	Q91WA6



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RefSeq Size: 1747

Cytogenetics: 15 35.75 cM

RefSeq ORF: 1143

Synonyms: 0610041B22Rik; AW121341; cpdm; RBCKL1; SIPL1

Summary: Component of the LUBAC complex which conjugates linear polyubiquitin chains in a head-to-tail manner to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation. LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways. Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation. LUBAC is recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex. Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis.[UniProtKB/Swiss-Prot Function]