

Recombinant Human SHARPIN Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SHARPIN-1033H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SHARPIN MS Standard C13 and N15-labeled recombinant protein (NP_112236) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 proposed to be 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 FAM105B/otulin, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis.
Molecular Mass	39.8 kDa
AA Sequence	MAPPAGGAAAAASDLGSAAVLLAVHAAVRPLGAGPDAAQLRRLQLSADPERPGR FRLELLGAGPGAVNLEWPLESVSYTIRGPTQHELQPPPGGPGTSLHFLNPQEAQR

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WAVLVRGATVEGQNGSKSNSPPALGPEACPVS LPSPEASTLKGPPEADLPRSP
 GNLT EREL AGLARAIAGGDEKGAAQVA AVLAQHRVALSVQLQEACFP PGPIRLQV
 TLEDAASAASAASSAHVALQVHPHCTVAALQE QVFSELGFPPAVQRWVIGRCLCVP
 ERS LASYGVRQDGDPAFLYLLSAPREAPATGPSPQHPQKMDGELGRLFP PSLGLPP
 GPQPAASSLP SPLQPSWSCPSCTFINAPDRPGCEMCSTQRPCTWDPLAAASTTRT
 RP LEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SHARPIN SHANK-associated RH domain interactor [Homo sapiens (human)]

Official Symbol SHARPIN

Synonyms SHARPIN; SHANK-associated RH domain interactor; shapin; DKFZP434N1923; SIPL1; hSIPL1; shank-interacting protein-like 1; shank-associated RH domain-interacting protein; DKFZp434N1923;

Gene ID 81858

mRNA Refseq NM_030974

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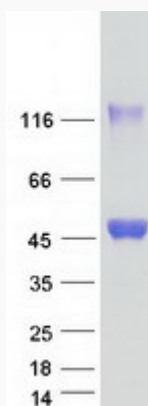
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Protein Refseq NP_112236

MIM 611885

UniProt ID Q9H0F6

SDS-PAGE



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