Recombinant Mouse Sh3kbp1 Protein, Myc/DDK-tagged

Cat. No. Sh3kbp1-5849M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SH3-domain kinase binding protein 1 (Sh3kbp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Adapter protein involved in regulating diverse signal transduction pathways. Involved in the regulation of endocytosis and lysosomal degradation of ligand-induced receptor tyrosine kinases, including EGFR and MET/hepatocyte growth factor receptor, through an association with CBL and endophilins. The association with CBL, and thus the receptor internalization, may be inhibited by an interaction with PDCD6IP and/or SPRY2. Involved in regulation of ligand-dependent endocytosis of the IgE receptor. Attenuates phosphatidylinositol 3-kinase activity by interaction with its regulatory subunit. May be involved in regulation of cell adhesion; promotes the interaction between TTK2B and PDCD6IP. May be involved in the regulation of cellular stress response via the MAPK pathways through its interaction with MAP3K4. Is involved in modulation of tumor necrosis factor mediated apoptosis. Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration. Has an essential role in the stimulation of B cell activation.
Molecular Mass	73.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Sh3kbp1 SH3-domain kinase binding protein 1 [Mus musculus (house mouse)]
Official Symbol	Sh3kbp1
Synonyms	SH3KBP1; SH3-domain kinase binding protein 1; SH3 domain-containing kinase-binding protein 1; regulator of ubiquitous kinase; Sh3 containing, expressed in astrocytes; SH3-containing, expressed in tumorigenic astrocytes; Ruk; IN85; Seta; AI447724; 1200007H22Rik; 1700125L08Rik; 5830464D22Rik
Gene ID	58194
mRNA Refseq	NM_001135727
Protein Refseq	NP_001129199
UniProt ID	Q8R550

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