

Recombinant Mouse Sh3bp4 Protein, Myc/DDK-tagged

Cat. No. Sh3bp4-5842M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SH3-domain binding protein 4 (Sh3bp4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May function in transferrin receptor internalization at the plasma membrane through a cargo-specific control of clathrin-mediated endocytosis. Alternatively, may act as a negative regulator of the amino acid-induced TOR signaling by inhibiting the formation of active Rag GTPase complexes. Preferentially binds inactive Rag GTPase complexes and prevents their interaction with the mTORC1 complex inhibiting its relocalization to lysosomes and its activation. Thereby, may indirectly regulate cell growth, proliferation and autophagy.
Molecular Mass	108 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Sh3bp4 SH3-domain binding protein 4 [Mus musculus (house mouse)]

Official Symbol Sh3bp4

Synonyms SH3BP4; SH3-domain binding protein 4; SH3 domain-binding protein 4; BOG25; AI594717; AW227605

Gene ID 98402

mRNA Refseq NM_133816

Protein Refseq NP_598577

UniProt ID Q921I6

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