

## Recombinant Mouse Sh2b2 Protein, Myc/DDK-tagged

Cat. No. Sh2b2-5833M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length SH2B adaptor protein 2 (Sh2b2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Adapter protein for several members of the tyrosine kinase receptor family. Involved in multiple signaling pathways. May be involved in coupling from immunoreceptor to Ras signaling. Acts as a negative regulator of cytokine signaling in collaboration with CBL. Binds to EPOR and suppresses EPO-induced STAT5 activation, possibly through a masking effect on STAT5 docking sites in EPOR. Suppresses PDGF-induced mitogenesis. May induce cytoskeletal reorganization via interaction with VAV3.
<b>Molecular Mass</b>	66.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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** Sh2b2 SH2B adaptor protein 2 [ *Mus musculus* (house mouse) ]

**Official Symbol** Sh2b2

**Synonyms** SH2B2; SH2B adaptor protein 2; SH2B adapter protein 2; insulin receptor substrate 5; SH2 and PH domain-containing adapter protein APS; adapter protein with pleckstrin homology and Src homology 2 domains; adaptor protein with pleckstrin homology and src homology 2 domains; Aps

**Gene ID** 23921

**mRNA Refseq** NM\_018825

**Protein Refseq** NP\_061295

**UniProt ID** Q9JID9

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