

Recombinant Mouse Sh2b3 protein, His & T7-tagged

Cat. No. Sh2b3-1557M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Sh2b3 aa. (Ala225~Val447 (Accession # O09039)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ala225~Val447
Description	This gene encodes a member of the SH2B family of adapter proteins that play an important role in T cell receptor signaling. This gene is preferentially expressed in hematopoietic stem cells, hematopoietic progenitors, pre and immature B cells, as well as megakaryocytes and mastocytes. In hematopoietic stem cells, the encoded protein is a key regulator of self-renewal, proliferation and apoptosis. Mice lacking the encoded protein exhibit pre and immature B cell expansion in spleen and the bone marrow. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.3

GENE INFORMATION

Gene Name	Sh2b3 SH2B adaptor protein 3 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Sh2b3
Synonyms	Sh2b3; SH2B adaptor protein 3; Lnk; AI429800; linker of T-cell receptor pathways; lymphocyte-specific adapter protein Lnk; signal transduction protein Lnk
Gene ID	16923
mRNA Refseq	NM_001306126.1
Protein Refseq	NP_001293055.1

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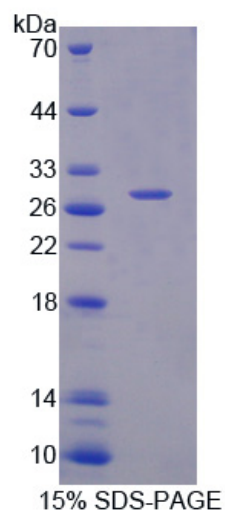
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UniProt ID

O09039

SDS-PAGE



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