

Recombinant Full Length Human SH2B3 Protein, C-Flag-tagged

Cat. No. SH2B3-812HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SH2B3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the SH2B adaptor family of proteins, which are involved in a range of signaling activities by growth factor and cytokine receptors. The encoded protein is a key negative regulator of cytokine signaling and plays a critical role in hematopoiesis. Mutations in this gene have been associated with susceptibility to celiac disease type 13 and susceptibility to insulin-dependent diabetes mellitus. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	63 kDa
AA Sequence	MNGPALQPSSPSSAPSASPAAPRGWSEFCELHAVAAARELARQYWLFAREHPQH APLRAELVSLQFTDL FQRYFCREVRDGRAPGRDYRDTGRGPPAKAEASPEPGPGP AAPGLPKARSSEELAPRPPGPCSFQHFRR SLRHIFRRRSAGELPAAHTAAAPGTP GEAAETPARPGLAKKFLPWSLAREPPPEALKEAVLRYS LADEAS MDSGARWQRGR LALRRAPGPDGPDRVLELFDPPKSSRPKLQAACSSIQEVRRCTRLEMPDNLYTFVLK

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VK DRTDIIFEVGDEQQLNSWMAELSECTGRGLESTEAMHIPSALPSTSSSPRGS
 TDSL NQGASPGGLDP ACQKTDHFLSCYPWFHGPISR VKAAQLVQLQGPDAGVF
 LVRQSETRRGEYVLT FNFGI AKHLRLSLTE RGQCRVQHLHFPSVVDMLHHFQRSP
 IPLECGAACDVRLSSYVVVSQPPGSCNTVLPFSLPHWDSESLP HWGSELGLPHL
 SSSGCPRGLSPEGLPGRSSPPEQIFHLVPSPEELANSLQHLEHEPVNRARDSDYEM
 DSS
 SRSHLRAIDNQYTPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Neurotrophin signaling pathway
Full Length	Full L.

GENE INFORMATION

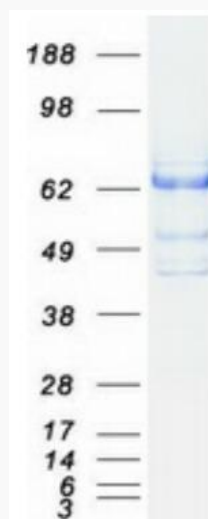
Gene Name	SH2B3 SH2B adaptor protein 3 [Homo sapiens (human)]
Official Symbol	SH2B3
Synonyms	LNK; IDDM20

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Gene ID	10019
mRNA Refseq	NM_005475.3
Protein Refseq	NP_005466.1
MIM	605093
UniProt ID	Q9UQQ2



Coomassie blue staining of purified SH2B3 protein.