

# Recombinant Human SH2B3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SH2B3-3773H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

SH2B3 MS Standard C13 and N15-labeled recombinant protein (NP\_005466) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### 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.

### Molecular Mass

63 kDa

### AA Sequence

MNGPALQPSSPSSAPSASPAAPRGWSEFCELHAVAAARELARQYWLFAREHPQH  
 APLRAELVSLQFTDLFQRYFCREVRDGRAPGRDYRDTGRGPPAKAEASPEPGPGP  
 AAPGLPKARSSEELAPRPPGPCSFQHFRRSLRHIFRRRSAGELPAAHTAAAPGTP  
 GEAETPARPGLAKKFLPWSLAREPPPEALKEAVLRYSLADEASMDSGARWQRGR  
 LALRRAPGPDGPDRVLELFDPPKSSRPKLQAACSSIQEVRRCTRLEMPDNLYTFVLK  
 VKDRTDIIFEVGDQQLNSWMAELSECTGRGLESTEAMHIPSALPSTSSSPRGST

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DSLNQGASPGLLDPACQKTDHFLSCYPWFHGPISRVKAAQLVQLQGPDAGVFL  
 VRQSETRRGEYVLTFFNFQGIKHLRLSLTERGQCRVQHLHFPSVVDMLHHFQRSPI  
 PLECGAACDVRLSSYVVVVVSQPPGSCNTVLFPPSLPHWDSESLPHWGSELGLPHLS  
 SSGCPRGLSPEGLPGRSSPPEQIFHLVPSPEELANSLQHLEHEPVNRARDSYEMD  
 SSSRSHLRAIDNQYTPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** SH2B3 SH2B adaptor protein 3 [ Homo sapiens (human) ]

**Official Symbol** SH2B3

**Synonyms** SH2B3; SH2B adaptor protein 3; SH2B adapter protein 3; IDDM20; LNK; lymphocyte adaptor protein; signal transduction protein Lnk; lymphocyte-specific adapter protein Lnk;

**Gene ID** 10019

**mRNA Refseq** NM\_005475

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**Protein Refseq** NP\_005466

**MIM** 605093

**UniProt ID** Q9UQQ2

**SDS-PAGE**



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