

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human SH2B3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Description</b>      | 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. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Molecular Mass</b>   | 63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MNGPALQPSSPSSAPSASPAAAPRGWSEFCELHAVAAARELARQYWLFAREHPQH<br>APLRAELVSLQFTDL FQRYFCREVRDGRAPGRDYRDTGRGPPAKAEASPEPGPGP<br>AAPGLPKARSSEELAPRPPGPCSFQHFRR SLRHIFRRRSAGELPAAHTAAAPGTP<br>GEAAETPARPGLAKKFLPWSLAREPPPEALKEAVLRYS LADEAS MDSGARWQRGR<br>LALRRAPGPDGPDRVLELFDPPKSSRPKLQAACSSIQEVRRCTRLEMPDNLYTFVLK                                                                                                                                                                                                                                     |

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

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

## GENE INFORMATION

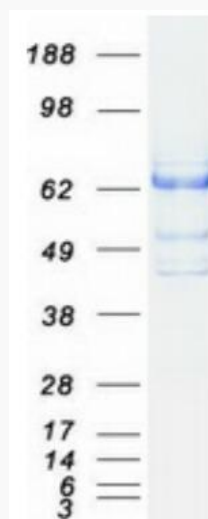
|                        |                                                       |
|------------------------|-------------------------------------------------------|
| <b>Gene Name</b>       | SH2B3 SH2B adaptor protein 3 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | SH2B3                                                 |
| <b>Synonyms</b>        | 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.