

# Recombinant Human SH3BP2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** SH3BP2-708H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | SH3BP2 MS Standard C13 and N15-labeled recombinant protein (NP_001116153) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | The protein encoded by this gene has an N-terminal pleckstrin homology (PH) domain, an SH3-binding proline-rich region, and a C-terminal SH2 domain. The protein binds to the SH3 domains of several proteins including the ABL1 and SYK protein tyrosine kinases, and functions as a cytoplasmic adaptor protein to positively regulate transcriptional activity in T, natural killer (NK), and basophilic cells. Mutations in this gene result in cherubism. Multiple transcript variants encoding different isoforms have been found for this gene. |
| <b>Molecular Mass</b>   | 62.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MAAEEMHWPVPMKAIGAQNLLTMPGGVAKAGYLHKKGGTQLQLLKWPLRFVIIHKR<br>CVYYFKSSTSASPQGAFSLSGYNRMRAAEETTSNNVFPFKIIHISKKHRTWFFSAS<br>SEEERKSWMALLRREIGHFHEKKDLPLDTSDDSDTDSFYGAVERPVDISLSPYPTD<br>NEDYEHDDDDSYLEPDSPEPGRLEDALMHPPAYPPPPVPTPRKPAFSDMPRAHS<br>FTSKGPGPLPPPPPKHGLPDVGLAAEDSKRDPLCPRAEPCPRVPATPRRMSDPP<br>LSTMPTAPGLRKPPCFRESASPSPEPWTPGHGACSTSSAAIMATATSRNCDKLKSF                                                                                                                                                                                       |

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HLSPRGPTSEPPVPANKPKFLKIAEEDPPREAAMPGLFVPPVAPRPPALKLPVPE  
 AMARPAVLPRPEKPQLPHLQRSPPDGQSFRSFSFEKPRQPSQADTGGDDSDDEYE  
 KVPLPNSVVFVNTTESCEVERLFKATSPRGEPQDGLYCIRNSSTKSGKVLVWDETS  
 NKVRNYRIFEKDSKFYLEGEVLFVSVGSMVEHYHTHVLP SHQSLLLRHPYGYTGPRT  
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

**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** SH3BP2 SH3-domain binding protein 2 [ Homo sapiens (human) ]

**Official Symbol** SH3BP2

**Synonyms** SH3BP2; SH3-domain binding protein 2; Cherubism; SH3 domain-binding protein 2; CRBM; RES4 23; Abl-SH3 binding protein 2; TNFAIP3 interacting protein 2; 3BP2; CRPM; 3BP-2; RES4-23; FLJ42079; FLJ54978;

**Gene ID** 6452

**mRNA Refseq** NM\_001122681

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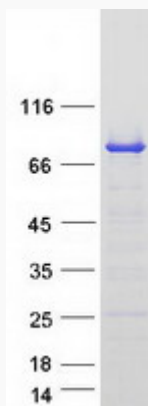
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**Protein Refseq** NP\_001116153

**MIM** 602104

**UniProt ID** P78314

**SDS-PAGE**



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