

Recombinant Human SH3BP2, His-tagged

Cat. No. SH3BP2-9178H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SH3BP2 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-301a.a.
Description	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.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol.

GENE INFORMATION

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Gene Name	SH3BP2 SH3-domain binding protein 2 [Homo sapiens]
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
Protein Refseq	NP_001116153
MIM	602104
UniProt ID	P78314
Chromosome Location	4p16.3
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Natural killer cell mediated cytotoxicity, organism-specific biosystem; Natural killer cell mediated cytotoxicity, conserved biosystem; T Cell Receptor Signaling Pathway, organism-specific biosystem; TCR signaling in naive CD4+ T cells, organism-specific biosystem;
Function	SH3 domain binding; SH3/SH2 adaptor activity;