

# Recombinant Human SH3-domain GRB2-like endophilin B1, His-tagged

**Cat. No.** SH3GLB1-362H    **Lot. No.** (See product label)

## SPECIFICATION

**Product Overview**    SH3GLB1, 1-365aa, Human, His tag, E.coli

**Species**    Human

**Source**    E.coli

**ProteinLength**    1-365 a.a.

### Description

SH3GLB1, also as known as endophilin-B1, belongs to the endophilin family. Endophilin B1 is a member of the B subgroup of the endophilin family that is required for maintenance of mitochondrial morphology and for the regulation of the outer mitochondrial membrane dynamics. This protein required for normal outer mitochondrial membrane dynamics. Also it required for coatomer-mediated retrograde transport in certain cells. SH3GLB1 has been shown to interact with SH3GLB2 and Bcl-2-associated X protein. This protein highly expressed in heart, skeletal muscle, kidney and placenta. Recombinant human SH3GLB1 protein, fused to His-tag at C-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

### Form

Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 2mM DTT

**Molecular Mass**    41.9kDa (373aa) confirmed by MALDI-TOF

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<b>AA Sequence</b>	MNIMDFNVKK LAADAGTFLS RAVQFTEEKL GQAEKTELDA HLENLLSKAE CTKIWTEKIM KQTEVLLQPN PNARIEEFVY EKLDKAPSR INNPELLGQY MIDAGTEFGP GTAYGNALIK CGETQKRIGT ADRELIQ TSA LNFLTPLRNF IEGDYKTIK ERKLLQNKRL DLDAKTRLK KAKAAETRNS SEQELRITQS EFDRQAEITR LLLEGISSTH AHHLRCLNDF VEAQMTYYAQ CYQYMLDLQK QLGSFSPNYL SNNNQTSVTP VPSVLPNAIG SSAMASTSGL VITSPSNLSD LKECSGSRKA RVLYDYDAAN STELSLLADE VITVFSVVG M DSDWLMGERG NQK GKVPITY LELLNLEHHH HHH
<b>Purity</b>	>90% by SDS - PAGE
<b>Storage</b>	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	SH3GLB1 SH3-domain GRB2-like endophilin B1 [ Homo sapiens ]
<b>Official Symbol</b>	SH3GLB1
<b>Synonyms</b>	SH3GLB1; SH3-domain GRB2-like endophilin B1; SH3 domain, GRB2 like, endophilin B1; endophilin-B1; Bif 1; CGI 61; KIAA0491; PPP1R70; protein phosphatase 1; regulatory subunit 70; Bax-interacting factor 1; SH3-containing protein SH3GLB1; SH3 domain-containing GRB2-like protein B1; protein phosphatase 1, regulatory subunit 70; Bif-1; CGI-61; dJ612B15.2;
<b>Gene ID</b>	51100
<b>mRNA Refseq</b>	NM_001206651

<b>Protein Refseq</b>	NP_001193580
<b>MIM</b>	609287
<b>UniProt ID</b>	Q9Y371
<b>Chromosome Location</b>	1p22.3
<b>Pathway</b>	Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Senescence and Autophagy, organism-specific biosystem;
<b>Function</b>	SH3 domain binding; cytoskeletal adaptor activity; identical protein binding; lipid binding; protein binding; protein homodimerization activity;

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