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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AA Sequence	MNIMDFNVKK LAADAGTFLS RAVQFTEEKL GQAEKTELDA HLENLLSKAE CTKIWTEKIM KQTEVLLQPN PNARIEEFVY EKLDRKAPSR INNPELLGQY MIDAGTEFGP GTAYGNALIK CGETQKRIGT ADRELIQTSA LNFLTPLRNF IEGDYKTIAK ERKLLQNKRL DLDAAKTRLK KAKAAETRNS SEQELRITQS EFDRQAEITR LLLEGISSTH AHHLRCLNDF VEAQMTYYAQ CYQYMLDLQK QLGSFPSNYL SNNNQTSVTP VPSVLPNAIG SSAMASTSGL VITSPSNLSD LKECSGSRKA RVLYDYDAAN STELSLLADE VITVFSVVGM DSDWLMGERG NQKGKVPITY LELLNLEHHH HHH
Purity	>90% by SDS - PAGE
Storage	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.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	SH3GLB1 SH3-domain GRB2-like endophilin B1 [Homo sapiens]
Official Symbol	SH3GLB1
Synonyms	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;
Gene ID	51100
mRNA Refseq	NM_001206651

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

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