

## 32-4842: Recombinant Human SH3-domain GRB2-like endophilin B1

**Alternative Name :** Bif-1, CGI-61, dj612B15.2, PPP1R70, Endophilin-B1, Bax-interacting factor 1, SH3 domain-containing GRB2-like protein B1, KIAA0491 .

### Description

Source : E.coli. SH3GLB1 Human Recombinant produced in E. coli is a single polypeptide chain containing 373 amino acids (1-365) and having a molecular mass of 41.9 kDa. SH3GLB1 is fused to 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques. Endophilin-B1 (SH3GLB1) is a part of the endophilin family and highly expresses in heart, skeletal muscle, kidney and placenta. Endophilin B1 belongs to the B subgroup of the endophilin family which is needed for preservation of mitochondrial morphology and for the regulation of the outer mitochondrial membrane dynamics. SH3GLB1 is required for normal outer mitochondrial membrane dynamics. Furthermore, SH3GLB1 is required for coatomer-mediated retrograde transport in certain cells. SH3GLB1 interacts with SH3GLB2 and Bcl-2-associated X protein and involved in regulating apoptotic signaling pathways.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The SH3GLB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 2mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MNIMDFNVKK LAADAGTFLS RAVQFTEEKL GQAEKTELDA HLENLLSKAE CTKIWTEKIM KQTEVLLQPN PNARIEEFVY EKLDKAPSR INNPELLGQY MIDAGTEFGP GTAYGNALIK CGETQKRIGT ADRELIQTSA LNFLTPLRNF IEGDYKTIK ERKLLQNKRL DLDAKTRLK KAKAAETRNS SEQELRITQS EFDRAEITR LLEGISSTH AHHLRCLNDF VEAQMYYAQ CYQYMLDLQK QLGSFSPNYL SNNNQTSVTP VPSVLPNAIG SSAMASTSGL VITSPNSLSD LKECSGSRKA RVLVDYDAAN STELSLLADE VITVFSVVG M DSDWLMGERG NQKGVPIY LLELLNLEHHH HHH.

