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## Product Data Sheet

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Product Name: SH3GLB1 Human  
 Cat. No.: GP24578  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bif-1; CGI-61; dj612B15.2; PPP1R70; Endophilin-B1; Bax-interacting factor 1; SH3 domain-containing GRB2-like protein B1; KIAA0491 .		
Amino Acid Sequence	MNIMDFNVKK LAADAGTFLS RAVQFTEEKL GQAEKTELDA HLENLLSKAE CTKIWTEKIM KQTEVLLQPN PNARIEEFVY EKLDRKAPSR INNPELLGQY MIDAGTEFGP GTAYGNALIK CGETQKRIGT ADRELIQTSA LNFLTPLRNF IEGDYKTIK ERKLLQNKRL DLDAKTRK KAKAAETRNS SEQELRITQS EFDQRQAEITR LLEGISSTH AHHLRCLNDF VEAQMTYYAQ CYQYMLDLQK QLGSPSNYL SNNNQTSTVTP VPSVLPNAIG SSAMASTSGL VITSPSNLSD LKECSGSRKA RVLYDYDAAN STELSLLADE VITVFSVVG M DSDWLMGERG NQKGKVPITY LELLNLEHHH HHH.		
Formulation	The SH3GLB1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 2mM DTT.		

### Introduction

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.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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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.

### Background

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.

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