

Recombinant human Endophilin B1/Bif-1 protein

Catalog Number: ATGP1801

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-365aa

UniProt No.

Q9Y371

NCBI Accession No.

NP_057093

Alternative Names

Endophilin-B1, Bif-1, CGI-61, dj612B15.2, PPP1R70

PRODUCT SPECIFICATION

Molecular Weight

41.9 kDa (373aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MNIMDFNVKK LAADAGTFLS RAVQFTEEKL GQAEKTELDA HLENLLSKAE CTKIWTEKIM KQTEVLLQPN PNARIEEFVY
EKLD RKAPSR INNPELLGQY MIDAGTEFGP GTAYGNALIK CGETQKRIGT ADRELIQTSA LNFLTPLRNF IEGDYKTIK
ERKLLQNKRL DLDAAKTRLK KAKAAETRNS SEQELRITQS EFDRQAEITR LLEGISSTH AHHLRCLNDF VEAQMTYYAQ
CYQYMLDLQK QLGSFPSNYL SNNNQTSVTP VPSVLPNAIG SSAMASTSGL VITSPSNLSD LKECSGSRKA RVLVDYDAAN
STELSLLADE VITVFSVVG M DSDWLMGERG NQKGKVPITY LELLNLEHHH HHH

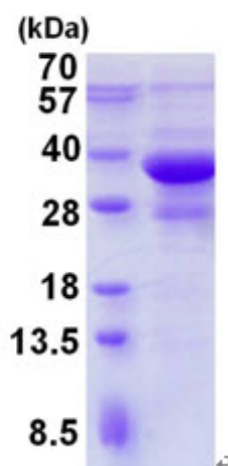
General References

Pierrat B., et al. (2001) Genomics 71:222-234

Modregger J., et al. (2003) J. Biol. Chem. 278:4160-4167

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)