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_057093.1

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

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

Amino acid Sequence

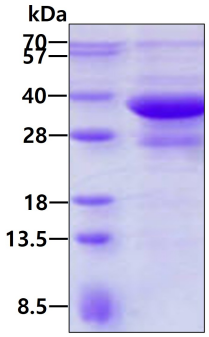
MNIMDFNVKK LAADAGTFLS RAVQFTEEKL GQAEKTELDA HLENLLSKAE CTKIWTEKIM KQTEVLLQPN PNARIEEFVY EKLDRKAPSR INNPELLGQY MIDAGTEFGP GTAYGNALIK CGETQKRIGT ADRELIQTSA LNFLTPLRNF IEGDYKTIAK ERKLLQNKRL DLDAAKTRLK KAKAAETRNS SEQELRITQS EFDRQAEITR LLLEGISSTH AHHLRCLNDF VEAQMTYYAQ CYQYMLDLQK QLGSFPSNYL SNNNQTSVTP VPSVLPNAIG SSAMASTSGL VITSPSNLSD LKECSGSRKA RVLYDYDAAN STELSLLADE VITVFSVVGM DSDWLMGERG NQKGKVPITY LELLN<LEHHH 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.