Recombinant human Endophilin A1/SH3GL2 protein

Catalog Number: ATGP1506

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-352aa

UniProt No.
Q99962

NCBI Accession No.
NP_003017

Alternative Names
Endophilin-A1, CNSA2, EEN-B1, SH3D2A, SH3P4

PRODUCT SPECIFICATION

Molecular Weight
42.5 kDa (376aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 50mM NaCl

Purity
> 85% 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
SH3GL2 (SH3-domain GRB2-like 2), also known as endophilin-A1, belongs to the endophilin family. It contains a BAR domain and a SH3 domain. Members of the BAR domain protein superfamily are essential elements of cellular traffic. Endophilins are among the best studied BAR domain proteins. They have a prominent function in synaptic vesicle endocytosis (SVE), receptor trafficking and apoptosis, and in other processes that require remodeling of the membrane structure. SH3GL2 a novel tumor suppressor gene in laryngeal squamous cell carcinoma (LSCC), induces apoptosis of tumor cells by regulating intra-cellular signal transduction networks.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Recombinant human SH3GL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

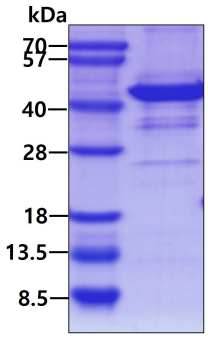
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General References

Shang C, Guo Y, Fu S, Fu W, Sun K.
Med Sci Monit. 2010 Jun
16(6):BR168-73.

DATA

SDS-PAGE



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