

Recombinant human ERLIN2 protein

Catalog Number: ATGP1782

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-339aa

UniProt No.

O94905

NCBI Accession No.

NP_009106

Alternative Names

Erlin-2, C8orf2, Erlin-2, NET32, SPFH2, SPG18

PRODUCT SPECIFICATION

Molecular Weight

37.8 kDa (338aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 2M urea, 20% glycerol

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

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

ERLIN2, also known as SPFH2, is SPFH domain-containing proteins that belong to the prohibitin family. Also, this protein is a ubiquitously expressed 339 amino acid protein that belongs to the band 7/mec-2 family. Localized to lipid raft-like domains in the membrane of the endoplasmic reticulum (ER), ERLIN2 plays a crucial role in the ER-associated degradation (ERAD) pathway that removes metabolically regulated and aberrant proteins from the ER. Recombinant human ERLIN2 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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Amino acid Sequence

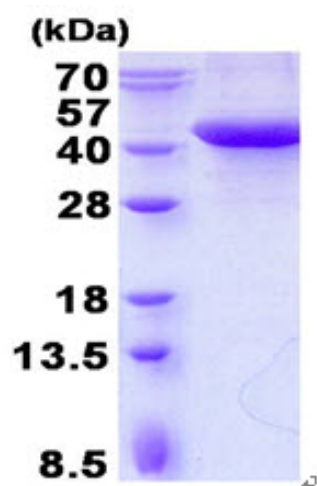
MGSSHHHHHH SSGLVPRGSH MGSKIIEGHI GVYYRGGALL TSTSGPGFHL MLPFITSYKS VQTTLOTDEV KNVPCGTSGG
VMIYFDRIEV VNFLVNAVY DIVKNYTADY DKALIFNKH HELNQFCSVH TLQEVYIELF DQIDENLKLA LQDQLTSMAP
GLVIQAVRVT KPNIPFAIRR NYELMESEKT KLLIAAQKQK VVEKEAETER KKALIEAEKV AQVAEITYGQ KVMKETEKK
ISEIEDAAFL AREKAKADAE CYTAMKIAEA NKLKLTPEYL QLMKYKAIAS NSKIYFGKDI PNMFMDSAGS VSKQFEGLAD
KLSFGLLEDEP LETATKEN

General References

Browman D T., et al. (2006) J Cell Sci. 119:3149-60.
Ikegawa S., et al. (1999) Cytogenet Cell Genet. 85:227-231.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)*