

Recombinant human PEF1 protein

Catalog Number: ATGP0905

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-284aa

UniProt No.

Q9UBV8

NCBI Accession No.

NP_036524

Alternative Names

Penta-EF-hand domain containing 1, ABP32, PEF1A

PRODUCT SPECIFICATION

Molecular Weight

34.5 kDa (320aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 50% glycerol, 0.2M 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

Penta-EF-hand domain containing 1, also known as PEF1, belongs to the penta-EF-hand protein family, which shares similarities to the apoptosis linked gene ALG-2. PEF1 heterodimerizes with PDCD6/ALG2 and dissociates from PDCD6/ALG2 in the presence of Ca (2+). Also, PEF1 proteins bind calcium and participate in a variety of calcium-dependent processes in vertebrates. Recombinant human PEF1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

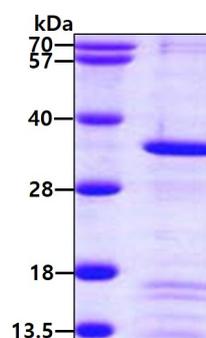
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LYGQGGAPPN VDPEAYSWFQ SVDSHSGYI SMKELKQALV NCNWSSFNDE TCLMMINMFD KTKSGRIDVY GFSALWKFIQ
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QGNIRLSFED FVTMTASRML

General References

Vernarecci S., et al. (2007) Mol Microbiol. 65(4):1122-38.
Kitaura Y., et al. (2002) Arch Biochem Biophys. 399(1):12-8.

DATA

SDS-PAGE



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