

Recombinant human PALM protein

Catalog Number: ATGP2770

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-387aa

UniProt No.

O75781

NCBI Accession No.

NP_002570

Alternative Names

Paralemmin-1 isoform 1, Paralemmin

PRODUCT SPECIFICATION

Molecular Weight

44.5 kDa (410aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

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

PALM is a member of the paralemmin protein family. The product of this gene is a prenylated and palmitoylated phosphoprotein that associates with the cytoplasmic face of plasma membranes and is implicated in plasma membrane dynamics in neurons and other cell types. Several alternatively spliced transcript variants have been identified, but the full-length nature of only two transcript variants has been determined. Recombinant human PALM 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

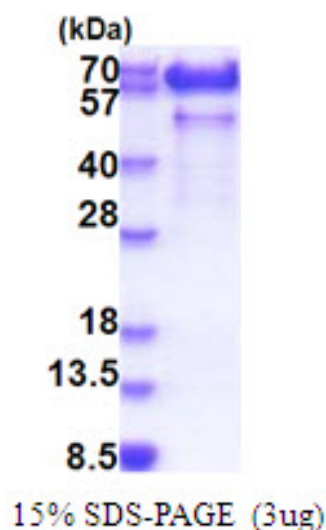
MGSSHHHHHH SSGLVPRGSH MGSMEVLAAE TTSQQRERLQA IAEKRKRQAE IENKRRQLED ERRQLQHLKS KALRERWLE
GTPSSASEGD EDLRRQMDD EQKTRLLEDV VSRLEKEIEV LERGDSAPAT AKENAAAPSP VRAPAPSPAK EERKTEVVMN
SQQTPVGT PK DKRVSNTPLR TVDGSPMMKA AMYSVEITVE KDKVTGETRV LSSTLLPRQ PLPLGIKVEY DETKVVHAVD
GTAENGIHPL SSSEVDELIH KADEVTLSEA GSTAGAAETR GAVEGAARTT PSRREITGVQ AQPGEATSGP PGIQPGQEP
VTMIFMGYQN VEDEAETKKV LGLQDTITAE LVVIEDAAEP KEPAPPNGSA AEPTEAASR EENQAGPEAT TSDPQDLDMK
KHRCKCCSIM

General References

Gauthier-Campbell C., Bredt D.S., et al. (2004) Mol. Biol. Cell 15:2205-2217

DATA

SDS-PAGE



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