

PALM, 1-387aa, Human, His tag, E.coli

Cat.NO.: TP03288

3th Edition

Synonyms:Paralemmin-1 isoform 1, Paralemmin

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.

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

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMEVLA AETTSQQR LQAI AEKRKRQAEIENKRRQLEDERRQLQHLKSKALR
ERWLLEGTPSSASEGDEDLRRQM QDDEQKTR LLED SVSRLEKEIEVLERGDSAPATAKENAAA P SPVRAPAPSPA
KEERKTEVVMNSQQTPVGTPKDKRVSNTPLRTVDGSPMMKAAMYSVEITVEKDKVTGETRVLSSSTLLPRQPLPL
GIKVYEDETKVVHAVDGT AENGIHPLSSSEVDEL I HKADEVTLSEAGSTAGAAETRGAVEGAARTTPSRREITGVQA
QPGEATSGPPGIQPGQEPPVTMIFMGYQNVEDEAETKKVLGLQDTITAE LVVIEDAAEPKEPAPPNGSAAEPPT EAA
SREENQAGPEATTSDPQDLDMKKHRCKCCSIM

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.