abcam

Product datasheet

Recombinant Human PITPnm 3 protein ab127327

Description

Product name	Recombinant Human PITPnm 3 protein
Purity	> 85 % SDS-PAGE. Purified via His tag
Expression system	Escherichia coli
Accession	Q9BZ71
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	26 kDa
Amino acids	237 to 478
Tags	His-DHFR tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab127327** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20ºC. Constituents: 0.32% Tris HCl, 0.58% Sodium chloride
Reconstitution	Reconstitute with water to desired concentration.

General Info

Function	Catalyzes the transfer of phosphatidylinositol and phosphatidylcholine between membranes (in vitro) (By similarity). Binds calcium ions.

Tissue specificity	Detected in brain and spleen, and at low levels in ovary.
Involvement in disease	Defects in PITPNM3 are the cause of cone-rod dystrophy type 5 (CORD5) [MIM:600977]. CORDs are inherited retinal dystrophies belonging to the group of pigmentary retinopathies. CORDs are characterized by retinal pigment deposits visible on fundus examination, predominantly in the macular region, and initial loss of cone photoreceptors followed by rod degeneration. This leads to decreased visual acuity and sensitivity in the central visual field, followed by loss of peripheral vision. Severe loss of vision occurs earlier than in retinitis pigmentosa.
Sequence similarities	Belongs to the PtdIns transfer protein family. PI transfer class IIA subfamily. Contains 1 DDHD domain.
Cellular localization	Endomembrane system.