

Recombinant Full Length Human PALS1 Protein, C-Flag-tagged

Cat. No. PALS1-1940HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PALS1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the p55-like subfamily of the membrane-associated guanylate kinase (MAGUK) gene superfamily. The encoded protein participates in the polarization of differentiating cells, has been shown to regulate myelinating Schwann cells (PMID: 20237282), and is one of the components of the Crumbs complex in the retina. Mice which express lower levels of the orthologous protein have retinal degeneration and impaired vision (PMID: 22114289). Multiple transcript variants encoding different isoforms have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	77.1 kDa
AA Sequence	MTTSHMNGHVTEESDSEVKNVDLASPEEHQKHREMAVDCPGDLGTRMMPIRRSA QLERIRQQQEDMRRRR EEEGKKQELDLNSSMRLKKLAQIPPKTGIDNPMFDTEEGI VLESPHYAVKILEIEDLFSSLKHIQHTLVD SQSQEDISLLLQLVQNKDFQNAFKIHNAIT VHMNKASPPFPLISNAQDLAQEVQTVLKPVHHKEGQELTA LLNTPHIQALLLAHDKV AEQEMQLEPITDERVYESIGQYGGETVKIVRIEKARDIPLGATVRNEMDSVII SRIVKG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GAAEKSGLLHEGDEVLEINGIEIRGKDVNEVFDLLSDMHGTLTFVLIPSQQIKPPPAKE
TVIHV KAHFDYDPSDDPYVPCRELGLSFQKGDILHVISQEDPNWWQAYREGDEDN
QPLAGLVPGKSFQQQREAMK QTIEEDKEPEKSGKLWCAKKNKKRKKVLYNANKN
DDYDNEEILTYEEMSLYHQPANRKRPIILIGPQNC GQNELRQRLMNKEKDRFASAVP
HTTRSRRDQEVAGRDIYHFVSRQAFEADIAAGKFIEHGEFEKNLYGTSI DSVRQVINS
GKICLLSLRTQSLKTLRNSDLKPYIIFIAPPSQERLRALLAKEGKNPKPEELREIIEKTRE
MEQNNGHYFDTAIVNSDLDKAYQELLRLINKLDTEPQWVPSTWLR TRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Tight junction
Full Length	Full L.

GENE INFORMATION

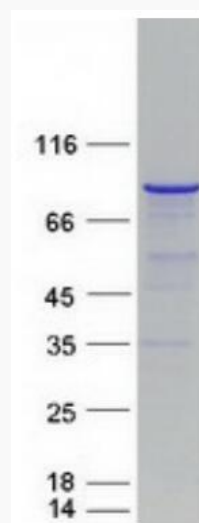
Gene Name PALS1 protein associated with LIN7 1, MAGUK p55 family member [Homo sapiens (human)]

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Official Symbol	PALS1
Synonyms	MPP5
Gene ID	64398
mRNA Refseq	NM_022474.4
Protein Refseq	NP_071919.2
MIM	606958
UniProt ID	Q8N3R9



Coomassie blue staining of purified PALS1 protein.