

Product datasheet for TP522682

Mpp5 (NM_019579) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse membrane protein, palmitoylated 5 (MAGUK p55 subfamily member 5) (Mpp5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR222682 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MTTSYMNGHVTEESDSGIKNLDLASPEEYPKHREMAVDCPGDLGTRMMPVRRSAQLERIRQQQEDMRRRR
EEEGKKQELDLNSSMRLKLAQIPPKTGIDNPIFDTEEGIVLESPHYAVNILDVEDLFSSLKHIQHTLVD
SQSQEDISLLLQLVQNRDFQNAFKIHNAVTVHMSKASPPFLIANVQDLVQEVQTVLKPVHQKEGQELTA
LLNAPHIQALLLAHDKVAEQEMQLEPITDERVYESIGHYGGGETVKIVRIEKARDIPLGATVRNEMDSVII
SRIVKGGAAEKSGLLHEGDEVLEINGIEIRGKDVNEVFDLLSDMHGTLTFLVIPSQQIKPPPAAKETVIHV
KAHFDYDPSDDPYVPCRELGLSFQKGDILHVISQEDPNWWQAYREGDEDNQPLAGLVPKGSFQQQREAMK
QTIEEDKEPEKSGKLWCAKKNKKRKKVLYNANKNDYDNEEILTYEEMSLYHQPANRKRPIILIGPQNC
GQNELRQRLMNKEKDRFASAVPHTRNRDRHEVAGRDYHFVSRQAFEADIAAGKFIHGEFEKNLYGTSI
DSVRQVINGKICLLSLRTQSLKTLRNSDLKPYIIFIAPPSQERLRALLAKEGKNPKPEELREIIEKTRE
MEQNNGHYFDTAIVNSDLKAYQELLRLINKLDTEPQWVPSTWLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	77.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq:	NP_062525
Locus ID:	56217
UniProt ID:	Q9JLB2 , B2RRY4
RefSeq Size:	5529
Cytogenetics:	12 C3
RefSeq ORF:	2028
Synonyms:	3830420B02Rik; AI255216; AI644496; Pals1
Summary:	<p>Plays a role in tight junction biogenesis and in the establishment of cell polarity in epithelial cells (By similarity). Also involved in adherens junction biogenesis by ensuring correct localization of the exocyst complex protein EXOC4/SEC8 which allows trafficking of adherens junction structural component CDH1 to the cell surface (PubMed:17182851, PubMed:20237282). Plays a role through its interaction with CDH5 in vascular lumen formation and endothelial membrane polarity (By similarity). Required during embryonic and postnatal retinal development (PubMed:22398208). Required for the maintenance of cerebellar progenitor cells in an undifferentiated proliferative state, preventing premature differentiation, and is required for cerebellar histogenesis, fissure formation and cerebellar layer organization (PubMed:26657772). Plays a role in the radial and longitudinal extension of the myelin sheath in Schwann cells (PubMed:20237282). May modulate SC6A1/GAT1-mediated GABA uptake by stabilizing the transporter (PubMed:15234345). May play a role in the T-cell receptor-mediated activation of NF-kappa-B (By similarity). Required for localization of EZR to the apical membrane of parietal cells and may play a role in the dynamic remodeling of the apical cytoskeleton (PubMed:15677456). Required for the normal polarized localization of the vesicular marker STX4 (PubMed:20237282). Required for the correct trafficking of the myelin proteins PMP22 and MAG (By similarity).[UniProtKB/Swiss-Prot Function]</p>