

Product datasheet for **TP320672M**

INPP5F (OCRL) (NM_000276) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human oculocerebrorenal syndrome of Lowe (OCRL), transcript variant a, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC220672 representing NM_000276
Red=Cloning site **Green**=Tags(s)

MEPPLPVGAQPLATVEGMEMKGPLREPCALTLAQRNGQYELIIQLHEKEQHVQDIIPINSHFRCVQEAE
LLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAQAQSQLLVPEQKDSSSWYQKLDTKD
KPSVFSGLLGFEDNFSSMNLDDKINSQNPQTGIHREPPPPFVSVNKMLPREKEASNKEQPKVTNTMRKLF
VPNTQSGQREGLIKHILAKREKEYVNIQTFRFFVGTWNVNGQSPDSGLEPWLNCDPNPPDIYCIGFQELD
LSTEAFFYFESVKEQEWMAVERGLHSAKAKYKKVQLVRLVGMMLLIFARKDQCRYIRDIATETVGTGIMG
KMGNGGGVAVRFVFNHTTFCIVNSHLAAHVEDFERRNQDYKDICARMSFVVPNTLPQLNIMKHEVWIL
GDLNYRLCMPDANEVKSINKDLQRLKFDQLNIQRTQKKAFFVDFNEGEIKFIPTYKYDSKTDRWDSSG
KCRVPAWCDRILWRGTNVNQLNYRSHMELKTSDHKPVSAFHIGVKVVDERRRKYFEDSVRIMDRMEND
FLPSLELSRREFVFNKFRQLQKEKQISNNGQVPCHFSFIPKLNSQYCKPWLRAEPFEGYLEPNETV
DISLDVYVSKDSVTILNSGEDKIEDILVHLDRGKDYFLTISGNYLPSCFGTSLEALCRMKRPPIREVPVT
KLIDLEEDSFLEKEKSLQMVPLDEGASERPLQVPKEIWLLVDHFLFKYACHQEDLFQTPGMQEELQQIID
CLDTSIPETIPGSNHSVAEALLIFLEALPEPVICYELYQRCLDSAYDPRICRQVISQLPCHRNVFRYLM
AFLRELLKFSEYNSVNANMIATLFTSLLLRPPPNLMARQTPSDRQRAIQFLLGFLGSEED

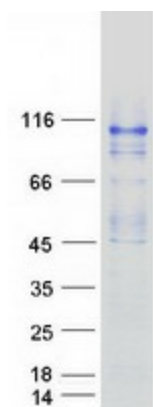
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 104 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
Bioactivity: Enzyme activity (PMID: [29524543](https://pubmed.ncbi.nlm.nih.gov/29524543/))



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Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000267
Locus ID:	4952
UniProt ID:	Q01968
RefSeq Size:	5165
Cytogenetics:	Xq26.1
RefSeq ORF:	2703
Synonyms:	Dent-2; DENT2; INPP5F; LOCR; NPHL2; OCRL-1; OCRL1
Summary:	This gene encodes an inositol polyphosphate 5-phosphatase. This protein is involved in regulating membrane trafficking and is located in numerous subcellular locations including the trans-Golgi network, clathrin-coated vesicles and, endosomes and the plasma membrane. This protein may also play a role in primary cilium formation. Mutations in this gene cause oculocerebrorenal syndrome of Lowe and also Dent disease. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:

Coomassie blue staining of purified OCRL protein (Cat# [TP320672]). The protein was produced from HEK293T cells transfected with OCRL cDNA clone (Cat# [RC220672]) using MegaTran 2.0 (Cat# [TT210002]).