

Product datasheet for TP320672

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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220672 representing NM_000276 Red =Cloning site Green =Tags(s)

MEPPLPVGAQPLATVEGMEMKGPLREPCALTLAQRNGQYELIIQLHEKEQHVQDIIPINSHFRCVQEAE
 TLLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAQAQSQLLVPEQKDSSSWYQKLDTKD
 KPSVFSGLLGFEDNFSSMNLDDKINSQNPQTGIHREPPPPFVSVNKMLPREKEASNKEQPKVTNTMRKLF
 VPNTQSGQREGLIKHILAKREKEYVNIQTFRFFVGTWNVNGQSPDSGLEPWLNCDPNPPDIYCIGFQELD
 LSTEAFFYFESVKEQEWMAVERGLHSAKAKYKKVQLVRLVGMMLLIFARKDQCRYIRDIATETVGTGIMG
 KMGNGKGGVAVRFVFNHTTFCIVNSHLAAHVEDFERRNQDYKDICARMSFVVPNQTLPLQNLNIMKHEVWIL
 GDLNYRLCMPDANEVKSINKDLQRLKFDQLNIQRTQKKAFFVDFNEGEIKFIPTYKYDSKTDRWDSSG
 KCRVPAWCDRILWRGTNVNQLNYSRSHMELKTSDHKPVSAFHIGVKVVDERRRKYFEDSVRIMDRMEND
 FLPSLELSRREFVFNKFRQLQKEKQISNNGQVPCHFSFIPKLNSQYCKPWLRAEPFEGYLEPNETV
 DISLDVYVSKDSVTILNSGEDKIEDILVHLDRGKDYFLTISGNYLPSCFGTSLEALCRMKRPPIREVPVT
 KLIDLEEDSFLEKEKSLQMVPLDEGASERPLQVPKEIWLLVDHLFKYACHQEDLFQTPGMQEELQQIID
 CLDTSIPETIPGSNHSVAEALLIFLEALPEPVICYELYQRCLDSAYDPRICRQVISQLPRCHRNVFRYLM
 AFLRELLKFSEYNSVNANMIATLFTSLLLRPPPNLMARQTPSDRQRAIQFLLGFLGSEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

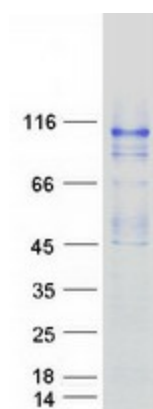
Tag:	C-Myc/DDK
Predicted MW:	104 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	Enzyme activity (PMID: 29524543)



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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]).