

Product datasheet for TP310491

INPP5F (OCRL) (NM_001587) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human oculocerebrorenal syndrome of Lowe (OCRL), transcript variant b, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210491 protein sequence Red =Cloning site Green =Tags(s)

MEPPLPVGAQPLATVEGMEMKGPLREPCALTLAQRNGQYELIIQLHEKEQHVQDIIPINSHFRCVQEAE
 TLLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAQAQSQLLVPEQKDSSSWYQKLDTKD
 KPSVFSGLLGFEDNFSSMNLDDKINSQNPQTGIHREPPPPFVSNKMLPREKEASNKEQPKVTNTMRKLF
 VPNTQSGQREGLIKHILAKREKEYVNIQTFRFFVGTWNVNGQSPDSGLEPWLNCDPNPPDIYCIGFQELD
 LSTEAFFYFESVKEQEWMAVERGLHSAKAKYKKVQLVRLVGMMLLIFARKDQCRYIRDIATETVGTGIMG
 KMGNKGGVAVRFVFNHTTFCIVNSHLAAHVEDFERRNQDYKDICARMSFVVPNQTLPLQLNIMKHEVWIL
 GDLNYRLGMPDANEVKSINKDLQRLKFDQLNIQRTQKAFVDFNEGEIKFIPTYKYDSKTDRAWSSG
 KCRVPAWCDRILWRGTNVNQLNYRSHMELKTSDHKPVSAFHIGVKVVDERRRKYFEDSVRIMDRMEND
 FLPSLELSRREFVFNKFRQLQKEKQISNNGQVPCHFSFIPKLNDSQYCKPWLRAEPFEGYLEPNETV
 DISLDVYVSKDSVTILNSGEDKIEDILVLHLDRGKDYFLTISGNYLPSCFGTSLEALCRMKRPPIREVPVT
 KLIDLEKSLQMVPLDEGASERPLQVPKEIWLVDHLFKYACHQEDLFQTPGMQEELQQIIDCLDTSIPE
 TIPGSNHSVAEALLIFLEALPEPVICYELYQRCLDSAYDPRICRQVISQLPRCHRNVFRYLMAFLRELLK
 FSEYNSVNANMIATLFTSLLLRRPPNLMARQTPSDRQRAIQFLLGFLGSEED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	103 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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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_001578](#)

Locus ID: 4952

UniProt ID: [Q01968](#), [A0A2X0TVZ9](#)

RefSeq Size: 5141

Cytogenetics: Xq26.1

RefSeq ORF: 2679

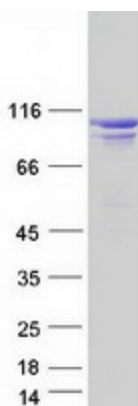
Synonyms: Dent-2; DENT2; INPP5F; LOCR; NPHL2; OCRL-1; OCRL1

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# TP310491). The protein was produced from HEK293T cells transfected with OCRL cDNA clone (Cat# [RC210491]) using MegaTran 2.0 (Cat# [TT210002]).