

## Product datasheet for **TP310491M**

### **INPP5F (OCRL) (NM\_001587) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human oculocerebrorenal syndrome of Lowe (OCRL), transcript variant b, 100 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC210491 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MEPPLPVGAQPLATVEGMEMKGPLREPCALTLAQRNGQYELIIQLHEKEQHVQDIIPINSHFRCVQEAE  
LLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAQAQSQLLVPEQKDSSSWYQKLDTKD  
KPSVFSGLLGFEDNFSSMNLDDKINSQNPQTGIHREPPPPFVSNKMLPREKEASNKEQPKVTNTMRKLF  
VPNTQSGQREGLIKHILAKREKEYVNIQTFRFFVGTWNVNGQSPDSGLEPWLNCDPNPPDIYCIGFQELD  
LSTEAFFYFESVKEQEWMAVERGLHSAKAKYKKVQLVRLVGMMLLIFARKDQCRYIRDIATETVGTGIMG  
KMGNGGGVAVRFVFNHTTFCIVNSHLAAHVEDFERRNQDYKDICARMSFVVPNQTLPLQLNIMKHEVWIL  
GDLNYRLGMPDANEVKSINKKDLQRLKFDQLNIQRTQKAFVDFNEGEIKFIPTYKYDSKTRDWDSSG  
KCRVPAWCDRILWRGTNVNQLNYRSHMELKTSDHKPVSAFHIGVKVVDERRRKYFEDSVRIMDRMEND  
FLPSLELSRREFVFNKFRQLQKEKQISNNGQVPCHFSFIPKLNSQYCKPWLRAEPFEGYLEPNETV  
DISLDVYVSKDSVTILNSGEDKIEDILVLHLDRGKDYFLTISGNYPSCFGTSLEALCRMKRPPIREVPVT  
KLIDLEKSLQMVPLDEGASERPLQVPKEIWLVDHLFKYACHQEDLFQTPGMQEELQQIIDCLDTSIPE  
TIPGSNHSVAEALLIFLEALPEPVICYELYQRCLDSAYDPRICRQVISQLPRCHRNVFRYLMAFLRELLK  
FSEYNSVNANMIATLFTSLLLRRPPNLMARQTPSDRQRAIQFLLGFLGSEED

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	103 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	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

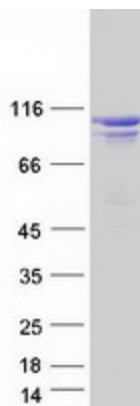
**Synonyms:** Dent-2; DENT2; INPP5F; LOCR; NPHL2; OCRL-1; OCRL1

**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]).