

Active Recombinant Full Length Human OCRL Protein, C-Flag-tagged

Cat. No. OCRL-459HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human OCRL Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Enzyme activity
Molecular Mass	104 kDa
AA Sequence	MEPPLPVGAQPLATVEGMEMKGPLREPCALTLAQRNGQYELIIQLHEKEQHVQDIIPI NSHFRCVQEAEE TLLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAAQK AQSQLLVPEQKDSSSWYQKLDTKD KPSVFSGLLGFEDNFSSMNLDKKINSQNQPT GIHREPPPPPSVNMKMLPREKEASNKEQPKVTNTMRKLF VPNTQSGQREGLIKHILA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

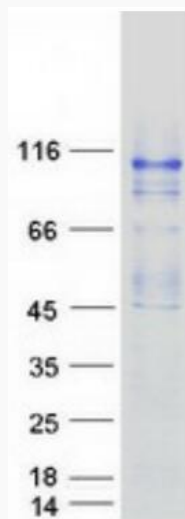
KREKEYVNIQTFRFFVGTWNVNGQSPDSGLEPWLNCDPNPPDIYCIGFQELD LSTE
 AFFYFESVKEQEWSMAVERGLHSKAKYKKVQLVRLVGMMLLIFARKDQCRYIRDIAT
 ETVGTGIMG KMGNKGGVAVRFVFNHTTFCIVNSHLAAHVEDFERRNQDYKDICAR
 MSFVVPNQTLPLQNLIMKHEVVIWL GDLNYRLCMPDANEVKSINKKDLQRLLKFDQL
 NIQRTQKKAFVDFNEGEIKFIPTYKYDSKTDRWDSSG KCRVPAWCDRILWRGTNVN
 QLNYSRSHMELKTSCHKPVSAFHVGVVDERRYRKVFEDSVRIMDRMEND FLPSL
 ELSRREFVFENVKFRQLQKEKFQISNNGQVPCHFSPFKLNSQYCKPWLRAEPFE
 GYLEPNETV DISLDVYVSKDSVTILNSGEDKIEDILVLHLDRGKDYFLTISGNYLPSCF
 GTSLEALCRMKRPIREVPVT KLIDLEEDSFLEKEKSLLQMVPPLDEGASERPLQVPKEI
 WLLVDHLFKYACHQEDLFQTPGMQEELQQIID CLDTSIPETIPGSNHSVAEALLIFLE
 ALPEPVICYELYQRCLDSAYDPRICRQVISQLPRCHRNVFRYLM
 AFLRELLKFSEYNSVNANMIATLFTSLLLPPPNLMARQTPSDRQRAIQFLLGFLGGS
 EEDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Full Length

Full L.

GENE INFORMATION**Gene Name** OCRL OCRL inositol polyphosphate-5-phosphatase [Homo sapiens (human)]**Official Symbol** OCRL**Synonyms** LOCR; DENT2; NPHL2; OCRL1; Dent-2; INPP5F; OCRL-1**Gene ID** 4952**mRNA Refseq** NM_000276.4**Protein Refseq** NP_000267.2**MIM** 300535**UniProt ID** Q01968 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA



Coomassie blue staining of purified OCRL protein.

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