

Recombinant Human OCRL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. OCRL-4898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OCRL MS Standard C13 and N15-labeled recombinant protein (NP_001578) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	103.2 kDa
AA Sequence	MEPPLPVGAQPLATVEGMEMKGPLREPCALTLAQRNGQYELIQLHEKEQHVQDIIPI NSHFRCVQEAETLLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAQK AQSQLLVPEQKDSSSWYQKLDTKDKPSVFSGLLG FEDNFSSMNLDDKINSQNQPTG IHREPPPPFVS NKMLPREKEASNKEQPKVTNTMRKLFVPNTQSGQREGLIKHILAK REKEYVNIQTFRFFVGTWNVNGQSPDSGLEPWLNCDPNPPDIYCIGFQELDLSTEAF FYFESVKEQEWSMAVERGLHSKAKYKKVQLVRLVGMMLLIFARKDQCRYIRDIA TET VGTGIMGKMGNKGGVAVRFV FHNTTFCIVNSHLAAHVEDFERRNQDYKDICARMSF

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VVPNQTLPQLNIMKHEVVIWLGDLNYRLGMPDANEVKS LINKKDLQRLLKFDQLNIQ
 RTQKKAFVDFNEGEIKFIPTYKYDSKTDRWDSSGKCRVPAWCDRILWRGTNVNQLN
 YRSHMELKTS DHKPV SALFHIGVKVVDERRYRKVFEDSVRIMDRMENDFLPSLELSR
 REFVFENVKFRQLQKEKFQISNNGQVPCHFSFIPKLNDSQYCKPWLRAEPFEGYLE
 PNETVDISLDVYVSKDSVTILNSGEDKIEDILVLHLDRGKDYFLTISGNYLPSCFGTSLE
 ALCRMKRP IREVPVTKLIDLEKSLLQMVPLDEGASERPLQVPKEIWLLVDHLFKYACH
 QEDLFQTPGMQEELQQIIDCLDTSIPETIPGSNHSVAEALLIFLEALPEPVICYELYQR
 CLDSAYDPRICRQVISQLPRCHRNVFRYLMAFLRELLKFSEYNSVNANMIATLFTSLL
 LRPPPNLMARQTPSDRQRAIQFLLGFLGSEEDTRTRPLEQKLISEEDLAANDILDYK
 DDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name OCRL oculocerebrorenal syndrome of Lowe [Homo sapiens (human)]

Official Symbol OCRL

Synonyms OCRL; oculocerebrorenal syndrome of Lowe; inositol polyphosphate 5-phosphatase OCRL-1; OCRL1; Lowe oculocerebrorenal syndrome protein; phosphatidylinositol polyphosphate 5-phosphatase; LOCR; NPHL2; INPP5F; OCRL-1;

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Gene ID 4952

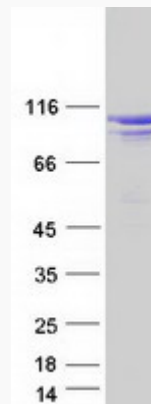
mRNA Refseq NM_001587

Protein Refseq NP_001578

MIM 300535

UniProt ID Q01968

SDS-PAGE



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