

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

Cat. No. OCRL-5112H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OCRL MS Standard C13 and N15-labeled recombinant protein (NP_000267) 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	104 kDa
AA Sequence	MEPPLPVGAQPLATVEGMEKGPLREPCALTLAQRNGQYELIIQLHEKEQHVQDIPI NSHFRCVQEAETLLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAAQK AQSQLLVPEQKDSSSWYQKLDTKDKPSVFSGLLGFEDNFSSMNLDDKINSQNQPTG IHREPPPPFVSVNKMLPREKEASNKEQPKVTNTMRKLFVPNTQSGQREGLIKHILAK REKEYVNIQTFRFFVGTWNVNGQSPDSGLEPWLNCDPNPPDIYCIGFQELDLSTEAF FYFESVKEQEWMAVERGLHSHKAKYKKVQLVRLVGMMLLIFARKDQCRYIRDIAETET VGTGIMGKMGNGGGVAVRFVFNHTTFCIVNSHLAAHVEDFERRNQDYKDICARMSF

 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

VVPNQTLPQLNIMKHEVVIWLGDLNYRLCMPDANEVKSINKKDLQRLLKFDQLNIQR
 TQKKAFVDFNEGEIKFIPTYKYDSKTDRWDSSGKCRVPAWCDRILWRGTNVNQLNY
 RSHMELKTS DHKPV SALFHIGVKVVDERRYRKVFEDSVRIMDRMENDFLPSLELSRR
 EFVFENVKFRQLQKEKFQISNNGQVPCHFSFIPKLNDSQYCKPWLRAEPFEGYLEP
 NETVDISLDVYVSKDSVTILNSGEDKIEDILVLHLDRGKDYFLTISGNYLPSCFGTSLEA
 LCRMKRPIREVPVTKLIDLEEDSFLEKEKSLLQMVPLEDEGASERPLQVPKEIWLLVDH
 LFKYACHQEDLFQTPGMQEELQQIIDCLDTSIPETIPGSNHSVAEALLIFLEALPEPVIC
 YELYQRCLDSAYDPRICRQVISQLPRCHRNVFRYLMAFLRELLKFSEYNSVNANMIA
 TLFTSLLLPPPNLMARQTPSDRQRAIQFLLGFLGSEEDTRTRPLEQKLISEEDLAA
 NDILDYKDDDDKV

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_000276
Protein Refseq	NP_000267
MIM	300535
UniProt ID	Q01968
SDS-PAGE	