

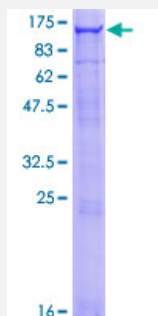
Full-Length

OCRL (Human) Recombinant Protein (P01)

Catalog # H00004952-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human OCRL full-length ORF (AAH94726.1, 1 a.a. - 893 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEPPLPVGAQPLATVEGMEKGPLREPCALTLAQRNGQYELIIQLHEKEQHVQDIIPINSHFRCVQ
EAEETLLIDIASNSGCKIRVQGDWIRERRFEIPDEEHCLKFLSAVLAQAQSQLLVPEQKDSSSW
YQKLDTKDKPSVFSGLLGFDNFSSMNLDDKINSQNPQTIHREPPPPFVSVNKMPLPREKEASN
KEQPKVTNTMRKLFVPNTQSGQREGLIKHLAKREKEYVNIQTFRFFVGTWNVNGQSPDSGLEPW
LNCDPNPPDIYICGFQELDLSTEAFYFESVKEQEWMAVERGLHSKAKYKKVQLVRLVGMMLLI
FARKDQCRYIRDIAETETVGTGIMGKMGNGGGVAVRFVFHNTTFCVNSHLAAHVEDFERRNQDYKD
ICARMSFVVPNQTLPLQNMKHEVVWLGDLNYRLGMPDANEVKSINKKDLQRLKFDQLNIQRTQ
KKAFVDFNEGEIKFIPTYKYDSKTDNRWDSSGKCRVPAWCDRILWRGTNVNQLNYRSHMELKTSD
HKPVSA LFHIGVKVVDERRYRKVFEDSVRIMDRMENDFLPSLELSRREFVFENVKFRQLQKEKFQ
ISNNGQVPCHFSFIPKLNDSSQYCKPWLRAEPFEGYLEPNETVDISLDVYVSKDSVTILNSGEDKIED
ILVLHLDGRGKDYFLTISGNYLPSCFGTSLEALCRMKPIREVPVTKLIDLEKSLQMVPLDEGASER
PLQVPKEWLLVDHLFKYACHQEDLFQTPGMQEELQQIIDCLDTSIPETIPGSNHSVAEALLIFLEAL
PEPVICYELYQRCLDSAYDPRICRQVISQLPRCHRNVFRYLMAFLRELLKFSEYNSVNANMIATLFT
SLLLRPPPNLMARQTPSDRQRAIQFLLGFLGSEED

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

129.6

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — OCRL

Entrez GeneID	4952
GeneBank Accession#	BC094726.1
Protein Accession#	AAH94726.1
Gene Name	OCRL
Gene Alias	INPP5F, LOCR, NPHL2, OCRL1
Gene Description	oculocerebrorenal syndrome of Lowe
Omim ID	300009 300535 309000
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a phosphatase enzyme that is involved in actin polymerization and is found in the trans-Golgi network. Mutations in this gene cause oculocerebrorenal syndrome of Lowe and also Dent disease. [provided by RefSeq]
Other Designations	Lowe oculocerebrorenal syndrome protein OTTHUMP00000024304 phosphatidylinositol polyphosphate 5-phosphatase

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)