# Recombinant Human OCRL 293 Cell Lysate

**Cat. No.** OCRL-3601HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Species** | Human |
| **Source** | HEK293 |
| **Description** | Antigen standard for oculocerebrorenal syndrome of Lowe (OCRL), transcript variant a is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection. |
| **Components** | This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol). |
| **Size** | 0.1 mg |
| **Storage Instruction** | Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment. |
| **Applications** | ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the |

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| | mixture at room temperature for 30 min). Load 5 ug lysate per lane. |

## GENE INFORMATION

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| **Gene Name** | OCRL oculocerebrorenal syndrome of Lowe [ Homo sapiens ] |
| **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; |
| **Gene ID** | 4952 |
| **mRNA Refseq** | NM_000276 |
| **Protein Refseq** | NP_000267 |
| **MIM** | 300535 |
| **UniProt ID** | Q01968 |
| **Chromosome Location** | Xq25 |
| **Pathway** | 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), organism-specific biosystem; 1D-myo-inositol hexakisphosphate biosynthesis II (mammalian), conserved biosystem; 3-phosphoinositide degradation, organism-specific biosystem; 3-phosphoinositide degradation, conserved biosystem; Clathrin derived vesicle budding, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate biosynthesis, organism-specific biosystem; D-myo-inositol (1,3,4)-trisphosphate |

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| | biosynthesis, conserved biosystem; |
| **Function** | hydrolase activity; phosphatidylinositol-4,5-bisphosphate 5-phosphatase activity; protein binding; |

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