

Product datasheet for **RN204922**

Ocrl (NM_001108256) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ocrl (NM_001108256) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ocrl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204922 representing NM_001108256
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCCGCGGCTCCCGATCGGAGCTCAGCCCCTGGCAATGGTGGCGGTTTGGAGATGAAGGGTCTCT
 TCCGGGAGCCCTGCGTCCTGACCCCTAGCCCGGAGGAACGGGCAATATGAGTTAATAATCCAGTTGCATGG
 GAAGGAACAGCATGTTCAAGATATCATTCTATAAATAGCCACTTCAGATGTGTTCAAGAAGCAGAAGAA
 ACTCTTTTGATTGATATTGCTTCAAACAGTGGCTGCAAAATTCGGGTACAGGGAGACTGGACCAGAGAGC
 GCCACTTTGAAATTCCTGATGAAGAACGCTGTTTGAAGTTCCTCTCAGAGGTCTTGCTGCTCAGGAAGC
 TCAGTCACAGTCTTGTTCAGAACAAAAAGACTCATCTAACTGGTACCAGAAATTAGACACTAAGGAT
 AAACCTGCTTATTCAGGACTGCTGGATTTGAAGATAATTTTCATCTATGAATTTAGATAAAAAATGA
 ATACACAAAATCCCCCACAGGGATTCATCGGGAACACCCCTCCACCTTCTTCAAATAGAAATGCTTCC
 ACGTGAAAAGGAAGCTTTAAACAAGAAGACGCCAAAGTGACCAATACCATGCGGAAGCTGTTTCGCCCA
 AACAGCCAATCTGGCCAGCGAGAGGGTCTCATCAAACACATCCTTGCAAAGCGAGAGAAAGAGTATGTCA
 ACATCCAGTCTTTCAGATTTTTTGTGGAACTTGAATGTGAATGGCCAGTCTCCAGACAGCAGCTTAGA
 ACCTTGGCTGAACTGTGATCCAAATCCTCTGATATTTACTGCATTGGATTCCAAGAGCTGGACTTGAGC
 ACAGAAGCCTTTTTTACTTTGAGTCTGTAAAAGAGCAAGAAATGGGCCATGGCTGTGAAAAGGGGTCTGC
 CTTTGAAGGCCAAGTATAAAAAGGTTCAACTGGTCCGCTTGTGGGGATGATGCTTCTCGTATTTGCCAA
 AAAAGATCAGTGTCAATATATCCGAGATATTGCTACAGAAACAGTCGGAACAGGAATCATGGGAAAAATG
 GGAAACAAGGTGGAGTAGCTATGAGATTTGTGTTCCACAACACCACTTCTGCATTGTCAATCCCACC
 TGGCTGCCACGTGGAAGAGTTTGAACGAAGAACAGGATTATAAAGACATCTGTGCGAGAAATGAGCTT
 TTCAGTCCCAATCAGACTCTCCACAAGTGAACATCATGAAGCATGATGTTGTCAATTTGGTTGGGAGAC
 TTGAACTACAGACTTTGCATGCCTGATGCCAATGAGGTGAAAAGTCTTATTAATAAAAAATGAGCTTCAGA
 AGCTGTTGAAATTCGACCAGTTAAACATTCAGCGCACACAGAAAAAGCTTTTGTGGATTCAATGAAGG
 GGAAATCAAGTTTATTCACACTTACAAGTATGATTCTAAAAGTACAGATGGGATTCAGTGGGAAATGC
 CGAGTCCCAGCCTGGTGTGACCGAATTCCTTGGAGAGGAATAAATGTTAATCAACTTCATTACCGGAGTC
 ACATGAACTCAAACACTAGTGACCACAAACCTGTTAGCGCCTGTTCCATATTGGGGTGAAGTTGTAGA
 TGAACGGCGGTATCGGAAGTCTTTGAAGATATTGTACGCATTATGGACAGAATGAAAAATGACTTCCTT
 CCTTCATTAGACCTTAGCAGGAGAGAGTTTATGTTTGAGAAATGTGAAGTTTCGGCAGCTGCAAAAAGGAGA
 AGTTCAGATCAGCAACAATGGACAGGTTCCCTGCCATTTTTCTTTCATCCCTAAGCTTAATGACACCCA
 ATACTGCAAGCCATGGCTTCGAGCTGAACCTTTTGGGGTACTTGGAGCCAAACGAGACAATAGACATT
 TCCCTTGATGTATACGTGAGCAAGACTCTGTAACCATCCTGAACTCTGGTGAAGATAAGATTGAAGATA
 TTCTTGTCTCCATTTGGATCGAGGAAAAGATTACTTCTTGACCATCAGTGGGAATTACCTTCCAAGTTG
 CTTTGGAACTCATTGGAGGCTTTGTGCCGAATGAAAAGACCAATCCGAGAAGTTCCTGTACCAAACTC
 ATAGACTTGGAAGAAGACAGCTTCTAGAAAAGGAGAAATCCCTTCTGCAGATGGTCCCCTGGATGAAG
 GTACCAGTGAGCGACCCCTTCAAGTCCCAAGAGATCTGGCTTCTAGTAGATCACTTGTCAAATATGC
 ATGTCACCAGGAGGACTTGTTCAAAACCCCTGGAATGCAGGAGGAGTTACAGCAGATCATTGATTGTCTG
 GATACCAGCATTCTGAGACAATCCCTGGTAGTAACCATTCTGTGGCTGAAGCACTGCTCAATTTCTCTGG
 AAGCCCTGCCAGAGCCAGTCATCTGTTATGAGCTGTATCAGCGATGTCTCGACTGTCTCATGATCCTCG
 GATCTGCAAAACAGGTCATTTCCAGCTTCCAAGGTGCCATAGAAATGTTTTCCGCTACTTGATGGCATT
 CTTTCGAGAACTCTTAAAATCTCTGATTACAACAATGTCAGCACCAACATGATCGCTACTCTGTTCACTA
 GCCTTCTCCTAAGGCCTCACCAAACTCATGGCAAGACAGACTCCAAGTACCAGCCAGCGCCATCCA
 GTTTCTTCTAGTCTTCTGCTTGGGAGCGAGGAAGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_001108256

Insert Size:	2700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001108256.2</u> , <u>NP_001101726.2</u>
RefSeq Size:	5157 bp
RefSeq ORF:	2700 bp
Locus ID:	317576
Cytogenetics:	Xq35
Gene Summary:	mutation in human OCRL causes Lowe syndrome, also known as oculocerebrorenal syndrome; mouse homolog RIKEN cDNA 9530014D17 possesses an inositol polyphosphate phosphatase domain [RGD, Feb 2006]