

Product datasheet for **SC331647**

Occludin (OCLN) (NM_001205254) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Occludin (OCLN) (NM_001205254) Human Untagged Clone
Tag: Tag Free
Symbol: Occludin
Synonyms: BLCPMG; PPP1R115; PTORCH1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331647 representing NM_001205254.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTCATCCAGGCCTCTTGAAAGTCCACCTCCTTACAGGCCTGATGAATCAAACCGAATCATTATGCA
CCAAGCAATGACATATATGGTGGAGAGATGCATGTTTCGACCAATGCTCTCTCAGCCAGCCTACTCTTTT
TACCCAGAAGATGAAATTCCTCACTTCTACAAATGGACCTCTCCTCCAGGAGTGATTCCGGATCCTGTCT
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TATGGAACCTCCCTTTAGGAGGTAGTGTAGGCTACCCTTATGGAGGAAGTGGCTTTGGTAGCTACGGA
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GGCTTCATGTTGGCCATGGCTGCCTTTTGTTCATTGCCGCGTTGGTGATCTTTGTTACCAAGTGTATA
AGATCTGAAATGTCCAGAACAAGAAGATACTACTTAAGTGTGATAATAGTGAGTGCATCCTGGGCATC
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TCCAATATTTTGTGGGACAAGGAACACATTTATGATGAGCAGCCCCCAATGTCGAGGAGTGGGTTAAA
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CTGAAGCAAGTGAAGGGATCTGCAGATTACAAAAGTAAAGAAGATCATTGCAAGCAGTTAAAGAGCAAA
TTGTCACACATCAAGAAGATGGTTGGAGACTATGATAGACAGAAAACATAG
  
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Restriction Sites: SgfI-MluI
ACCN: NM_001205254
Insert Size: 1569 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_001205254.1</u>
RefSeq Size:	6221 bp
RefSeq ORF:	1569 bp
Locus ID:	100506658
UniProt ID:	<u>Q16625</u>
Cytogenetics:	5q13.2
MW:	59.1 kDa
Gene Summary:	<p>This gene encodes an integral membrane protein that is required for cytokine-induced regulation of the tight junction paracellular permeability barrier. Mutations in this gene are thought to be a cause of band-like calcification with simplified gyration and polymicrogyria (BLC-PMG), an autosomal recessive neurologic disorder that is also known as pseudo-TORCH syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene is present 1.5 Mb downstream on the q arm of chromosome 5. [provided by RefSeq, Apr 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>