

## Product datasheet for **SC329791**

### Occludin (OCLN) (NM\_001205255) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Occludin (OCLN) (NM\_001205255) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** OCLN  
**Synonyms:** BLCPMG; PPP1R115; PTORCH1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329791 representing NM\_001205255.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

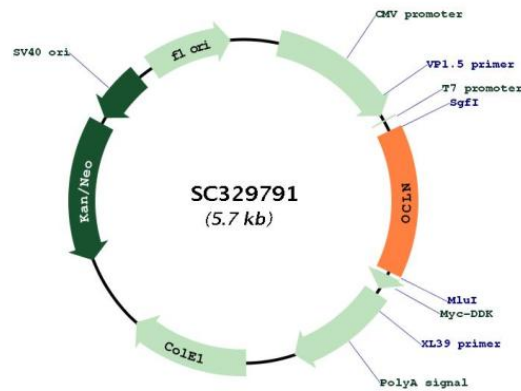
```
ATGATTATTGGCTTTTCTTTAATAATTTCTTTGCTGTGAAAACCGAAGAAAGATGGACAGGTAT
GACAAGTCCAATATTTTGTGGACAAGGAACACATTTATGATGAGCAGCCCCCAATGTCGAGGAGTGG
GTTAAAAATGTGTCTGCAGGCACACAGGACGTGCCTTCACCCCATCTGACTATGTGAAAGAGTTGAC
AGTCCCATGGCATACTCTCCAATGGCAAAGTGAATGACAAGCGGTTTTATCCAGAGTCTTCCTATAAA
TCCACGCCGTTCTGAAGTGGTTCAGGAGCTTCATTAACCTCGCCTGTGGATGACTTCAGGCAGCCT
CGTTACAGCAGCGGTGGTAACTTTGAGACACCTTCAAAAAGAGCACCTGCAAAGGAAGAGCAGGAAGG
TCAAAGAGAACAGAGCAAGATCACTATGAGACAGACTACACAACCTGGCGCGAGTCTGTGATGAGCTG
GAGGAGGACTGGATCAGGAATATCCACCTATCACTTCAGATCAACAAAGACAACGTACAAGAGGAAT
TTTGACACTGGCCTACAGGAATACAAGAGCTTACAATCAGAACTTGATGAGATCAATAAAGAACTCTCC
CGTTTGGATAAAGAATTGGATGACTATAGAGAAGAAAGTGAAGAGTACATGGCTGCTGCTGATGAATAC
AATAGACTGAAGCAAGTGAAGGGATCTGCAGATTACAAAAGTAAAGAAATCATTGCAAGCAGTTAAAG
AGCAAATTGTCACACATCAAGAAGATGGTTGGAGACTATGATAGACAGAAAACATAG
```

**Restriction Sites:** Sgfl-Mlul



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Plasmid Map:



**ACCN:** NM\_001205255

**Insert Size:** 816 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:**

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:** [NM\\_001205255.1](#)

**RefSeq Size:** 5404 bp

**RefSeq ORF:** 816 bp

**Locus ID:** 100506658

**UniProt ID:** [Q16625](#)

**Cytogenetics:** 5q13.2

**MW:** 31.6 kDa

**Gene Summary:** 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]  
Transcript Variant: This variant (3) lacks a portion of the 5' coding region and uses a downstream start codon, compared to variant 1. The resulting isoform (b) is shorter at the N-terminus, compared to isoform a. The 5' UTR of this variant is incomplete due to a lack of 5'-complete transcripts containing this exon combination and the presence of splicing ambiguity at the 5' end. 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.