

## Product datasheet for **SC334273**

### CLRN1 (NM\_001256819) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLRN1 (NM_001256819) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLRN1
Synonyms:	RP61; USH3; USH3A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001256819, the custom clone sequence may differ by one or more nucleotides

```
ATGCCAAGCCAACAGAAGAAAATCATTTTTGCATGGCCGGAGTGTTCAGTTTTGCATGTGCCCTCGGAG
TTGTGACAGCCTTGGGGACACCGTTGTGGATCAAAGCCACTGTCTCTGCAAAACGGGAGCTCTGCTCGT
CAATGCCTCAGGGCAGGAGCTGGACAAGTTTATGGGTGAAATGCAGTACGGGCTTTCCACGGAGAGGGT
GTGAGGCAGTGTGGTTGGGAGCAAGGCCCTTTCGGTTCTCATGCTATTTTCTTGACCCCTTCATGGGAC
TCCCAACAGGGGTACCCCATTTACTCAGCCTGCCCTGCTCAACCTTTCAGGAGGGAGCACACGAGTGA
ACGAGTGCAGGAACCAGCTGGCTTTAGTGCTGTGAGGAGTAACTCCATGCAGGCCCTGCAGCAGCA
ACCAGTTTTTCCAGATTTGCTCAAAGCAATCCCAGTGAGCATCCACGTCATGTCATTCTTCTCTGCC
ATCCTTATTGTGTTAACCATGGTGGGGACAGCCTTCTTCATGTACAATGCTTTTGAAAACCTTTTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001256819
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).



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**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\\_001256819.1](#), [NP\\_001243748.1](#)

**RefSeq Size:** 2531 bp

**RefSeq ORF:** 558 bp

**Locus ID:** 7401

**Cytogenetics:** 3q25.1

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a protein that contains a cytosolic N-terminus, multiple helical transmembrane domains, and an endoplasmic reticulum membrane retention signal, TKGH, in the C-terminus. The encoded protein may be important in development and homeostasis of the inner ear and retina. Mutations within this gene have been associated with Usher syndrome type IIIa. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (6) has multiple differences in the coding region, compared to variant 5, one of which results in a translational frameshift. The resulting isoform (e) has a distinct C-terminus and is shorter than isoform d. 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.