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Product datasheet for SC306949

CLRN1 (NM_174878) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CLRN1 (NM_174878) 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_174878, the custom clone sequence may differ by one or more nucleotides

ATGCCAAGCCAACAGAAGAAAATCATTTTTTGCATGGCCGGAGTGTTCAGTTTTGCATGTGCCCTCGGAG
TTGTGACAGCCTTGGGGACACCGTTGTGGATCAAAGCCACTGTCCTCTGCAAAACGGGAGCTCTGCTCGT
CAATGCCTCAGGGCAGGAGCTGGACAAGTTTATGGGTGAAATGCAGTACGGGCTTTTCCACGGAGAGGGT
GTGAGGCAGTGTGGGTTGGGAGCAAGGCCCTTTCGGTTCTCATTTTTTCCAGATTTGCTCAAAGCAATCC
CAGTGAGCATCCACGTCAATGTCATTCTCTTCTCTGCCATCCTTATTGTGTTAACCATGGTGGGGACAGC
CTTCTTCATGTACAATGCTTTTGGAAAACCTTTTGAAACTCTGCATGGTCCCCTAGGGCTGTACCTTTTG
AGCTTCATTTCAGGCTCCTGTGGCTGTCTTGTCATGATATTGTTTGCCTCTGAAGTGAAAATCCATCACC
TCTCAGAAAAAATTGCAAATTATAAAGAAGGGACTTATGTCTACAAAACGCAAAGTGAAAAATATACCAC
CTCATTCTGGGTCATTTTCTTTTGCTTTTTTGTTCATTTTCTGAATGGGCTCCTAATACGACTTGCTGGA
TTTCAGTTCCCTTTTGCAAAATCTAAAGACGCAGAAACAACTAATGTAGCTGCAGATCTAATGTACTGA

Restriction Sites:	Please inquire
ACCN:	NM_174878

View online »

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_174878.2, NP_777367.1
RefSeq Size:	2359 bp
RefSeq ORF:	699 bp
Locus ID:	7401
UniProt ID:	P58418
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 (1) lacks an in-frame exon in the 3' coding region, compared to variant 5. The resulting isoform (a) is shorter than isoform d.