

Product datasheet for SC316490

Clarin 2 (CLRN2) (NM_001079827) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clarin 2 (CLRN2) (NM_001079827) Human Untagged Clone
Tag:	Tag Free
Symbol:	Clarin 2
Synonyms:	DFNB117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316490 representing NM_001079827. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGCGCTGGATGGTTCAAAAAGGCGTGGTATGGGCTGGCGTCTTTACTCAGCTTCTCCTCCTTCATCCTG
 ATCATCGTTGCCCTGGTAGTGCCCACTGGCTGAGTGGGAAATCCTTTGTGCACTGGAGTGGATCTG
 GTCAACGCCACAGACAGAGAGCTGGTCAAGTTCATTGGGGACATTTACTACGGGCTCTCCGAGGGTGT
 AAAGTGGCGCAGTGTGGGCTTGGGGCCGCCAATCCCAATTCACGATCTCCACACCTGGTGAAGGAG
 CTCAACGCAGGCCTTCATGTGATGATTCTGCTGCTCCTCTTCTGGCCTTGGCCCTGGCTCTGGTCAGC
 ATGGGCTTTGCCATTCTTAACATGATCCAGGTCCCGTACCGGGCAGTCAGCGGCTCTGGGGCATCTGC
 CTATGGAATGTCTGGCAGGCGGCGTCGTGGCGTTAGCCATCGCCAGCTTCGTGGCTGCGGTGAAATTT
 CACGACCTGACGGAACGAATCGCAACTTTAGGAGAAGCTCTCCAGTTTGTGGTGGTGAAGAAGCAG
 TATGAAGAGTCGTTTGGATCTGCGTGGCCAGCGCTTCGGCCCATGCTGCAAACTTGGTCGTGGTGGCG
 ATCAGTCAAATCCCCTCCCTGAGATTAAGACCAAAATCGAAGAGGCCACGGTCACAGCTGAGGATATC
 TTGTATTAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001079827
Insert Size:	699 bp


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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).
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:	<u>NM_001079827.2</u>
RefSeq Size:	823 bp
RefSeq ORF:	699 bp
Locus ID:	645104
UniProt ID:	<u>A0PK11</u>
Cytogenetics:	4p15.32
Protein Families:	Transmembrane
MW:	25.4 kDa
Gene Summary:	This gene belongs to the clarin family of genes. The clarins appear to belong to a large superfamily of small integral membrane glycoproteins with four transmembrane domains. The exact function of this gene is unknown. [provided by RefSeq, Oct 2008]