

## Product datasheet for **SC214962**

### **CLSTN1 (NM\_001009566) Human 3' UTR Clone**

#### **Product data:**

|                           |                                                                          |
|---------------------------|--------------------------------------------------------------------------|
| Product Type:             | 3' UTR Clones                                                            |
| Product Name:             | CLSTN1 (NM_001009566) Human 3' UTR Clone                                 |
| Symbol:                   | CLSTN1                                                                   |
| Synonyms:                 | ALC-ALPHA; alcalpha1; alcalpha2; CDHR12; CST-1; CSTN1; PIK3CD; XB31alpha |
| Mammalian Cell Selection: | Neomycin                                                                 |
| Vector:                   | pMirTarget (PS100062)                                                    |
| ACCN:                     | NM_001009566                                                             |
| Insert Size:              | 1612 bp                                                                  |



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| <b>Insert Sequence:</b>   | <p>&gt;SC214962 3'UTR clone of NM_001009566</p> <p>The sequence shown below is from the reference sequence of NM_001009566. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GAGTGGGATGACTCCACCCTCAGCTACTGACCCGTGCCCGGCCACCTCGGTTTCTGCTTTCGAAGAC TCTGCTGCCATCCGTTCTCCAGTCCCAAGGGTCCACGATGTACAAAGTCATTTTCGGCCAGTAGGTGTG CAGACCCCTCCCGCCACGATCGTCGCTGTGCTTGGTGTGTAGGACCTAGGCTCCCGCCACCCCTCT GCCTGGTCGCGCTCTTCAGTCCCACGAGGAGCTGACACGTCTCTGCGCGCCATCCGGCTCGCACAG GGGCTCCAGCGCTCAGGCCCGCGTTTGTGTCTGGAGTCTCCCCCGGGGAGAGGACACTGGCCCC TCGCACTCCAGAAAGCCATGCCAGCTGGGCTCGTTGACAAAGGGTAAACATGCTACTCCACCCCGG TAATCATTTTTTCTTTTTTAAAAAAGTTTTATTTTTTCCAACTAGTGCATGTATAATAATGGC AGGATGGGGGTACTGTGTAGATGATTAAGTACTTTTTAATATTTTGTAAATAAATCGGATTCCTTGT GTCCTTTGTGCTAGTGTAAACCGGGACTGGAATGTAAAGTGAAGTTCGGAGCTCTGAGCACGGGCTCTT CCCGCCGGGTCTCCCTCCCGACCCAGAGGGAGAGGCCACCCCGCCAGCCCGCCCGCCAGCCCT GCTCAGGTCTGAGTATGGCTGGGAGTCGGGGGCCACAGGCCTCTAGCTGTGCTGTCAAGAGACTGGAT CAGGGTAGCTACAAGTGGCCGGGCTTGCTTTGGGATTCTACCTGTTCTAATTTGGTGTGGGTGCG GGGTCCCTGGCCCTTTTCCACTCCTCCTCCGACAGCAGCTCCCTGGGCAGTGGCCTGGTCTCACCG TGTGCAGCCTTGTGGTTATGCTTAAATGTACATTTTCTGCTGGTAAAAGGAGAACTGAGAGGTGTC CTGCAGACCGGCTGACCACTCCTTTGGAGACGGCAGGAGGCCTGAGCGATCCGTACTCAGAACGTCCA GGAGAGACGCATGGCCCGAAGTCAAAGTCTGGAATTTTCCAAACAGCCTGTTCTCTCTCTCTCTC CCAGAGCACCCCTGCCATCAGGGGGGTTGAAATCCCTCTCCCCAGGAGCCCTGCTGCTTTGCTTGG TGGTAGGGCAGGAGAGCAAAACACAGTCATGGTCTAAACCCACATAGCACTTTGCTCTTAGTTACAT GTAAATTTTAGATTTCTAAACAGGTGGGCAATCATTTTGAATACTGTTCTGTGACCCTGACTGCTAG TTCTGAGGACACTGGTGGCTGTGCTATGTGTGGCCATCCTCCATGTCCCGTCCCTGTAGCTGCTGTT TAGACAGCGGACAGACGCTCACGCCAGGGGATGTCCTCAGCTGTGCGCGCGCGGTTCCCTTCGCAG ATGTGTATACTCATGATAGGTCAGAAAGTGTATCCGCTACAATAAAGTTCTGGTTCTAACTAACTCCAG CCGGAGCGGGGTTGTCTTCTCTCTGTTTGGTTTTAAACCTACACTCCCTTGTCTTTTGGAGCCG AGAACATAAAAGAACATAAAAGGC ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre> |
| <b>Restriction Sites:</b> | Sgfl-MluI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>OTI Disclaimer:</b>    | <p>Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Components:</b>        | <p>The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>RefSeq:</b>            | <u>NM_001009566.3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| Summary:  | This gene is a member of the calsyntenin family, a subset of the cadherin superfamily. The encoded transmembrane protein, also known as alcadein-alpha, is thought to bind to kinesin-1 motors to mediate the axonal anterograde transport of certain types of vesicle. Amyloid precursor protein (APP) is trafficked via these vesicles and so this protein is being investigated to see how it might contribute to the mechanisms underlying Alzheimer's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014] |
| Locus ID: | 22883                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| MW:       | 58.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |