

Product datasheet for **SC314548**

Consortin (CNST) (NM_152609) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Consortin
Synonyms:	C1orf71; PPP1R64
Vector:	<u>pCMV6 series</u>



Fully Sequenced ORF:	>NCBI ORF sequence for NM_152609, the custom clone sequence may differ by one or more nucleotides <pre> ATGGATGACAGCGATACTCCTACATATTATCTGCAAAATAGAACCACAAGATGGATGTCAT CCTGGTGACAGCGTGGAAGGAGTGTGACCTGTCTGCCTTCTGCATCAGATGAAAATGAA AATCAGCTTGACGGGGACGGGCATGAGCATCTGACCAGCAGTGACAGTGCATGGGAAAG CCCCAAGTGTCTGAGCAGGACAGTCTCAATAAATGAAAGCTGCACATTGAGCTGCGAG GTGGCTGCAGGTGAGAACTCGCAAAACACCCTTTGTGAAGCCTCCAGAGATGAACAGGCC TTCTTGGGAAAGGACAAAAAATTCTGGAAAAAGAAGTCCAAGAAGCAAAAAAGGGACT GCTAAGAAGATACCACCAGGACTTTTTTCAGGAGATATTGCACCTTTAATGCAAGAAAAA GTACTAAGCGCAGTCACATATGCTGTTGATGATGAAGAAGCTGTGAAGTAAATGCTAAT GAGCAGCCAGAGGGCCAAAGCTTGTCTGCAGTCTCTGTTTCACTTATACGAGGTGAA GTTGAGCAGTTGGATTCAAGAGCACTTCCCTTTGCCTTCATCAGATAGCAGAATCCTAT TTCCAGGAGGAGGACTACGAGAAAGCAATGAAATTCATTAGCTAGAACGATTGTATCAT GAGCAATTGCTCGAAATCTTCTGCCATTCAAGAACAGTGGGAAACAAAATGGAAACT GTGCAACCACATACAGTTACGGCTCTAAGGAATTCAGAAAAGGGATTTAATGGTGAAGAT TTTGAACGGTTACGAAAATTTGTGCAACACATCAAGATCCTCTTTTATCCAAACATAAG ATAGCAGCTGTGGAGAAGTCCAGGAAAGGAAATGCTCCACGCAGTTACTAGTGTCTGAA GATCCAAAGGAAGGAGGAGCTACCACCAAGAGTCAGAGAGTAAACTTGTCTCGGCACA GAGTCAAGTAAAGAAAGCCACATACAGTGGAGCCCTGGGGAGCAGTCCCTGCTGTCAT CAGATGGACGTGCAACAGATTCCCAAGCCTTTCGGTAACTGCAGGAAAGGACCACATG GAGGAGCTGCTCTGCAGCGCTGAAGCCACGTTAGCGCTCCACACCCAGTCTCCGAGACA GCAGGGAGCCCGTCTGGCCAGACTCTTCTGAGGATGCTTGTGAGGATGACAGTCGCTTG CAGCTGGCTCAAACAGAGGCCCGCCAGGATGTGGCCAGAATAGAGGGCATTGCTGAAGAC CCTAAGGTGTTTCTTCCAGCAAGTCAAAGACAGAGCCGTTGATTTACACAGGCTGTGAC CGTATACCTCCTGCATTGATTTCTGAGGGTAAATATTCACAGGCTCAGAGGAAAGAACTC CGTTTGCCACTTCGGGATGCTTCTGAGGCGTTGCCACAGACCAACTTGAGAACAAATGAA TTAAATGAGCTGCAGCAGCCTGATCTTACAGACAGTGTGAAAAATCACCACAGGCGCAG GCTGACTCAGACGGTTCTGAGAATGTGCTCTGTGAAATAATCAAATATCTGACTTAGGC ATACTGCTTCCAGAGGTGTGTATGGCCCCAGAGGAAAGGGAGATAAAGACGACCAACTC AACAAAGAAACAGAAGACTATTTGAACAGCCTTTAGAAGGATGTTTAAAGATACTGAA GATTCCCTTCTCTATGAAGATAACCAAGACGACGACTCCGATCTCCTTCAAGATCTCTCT CCTGAAGAAGCATCCTATAGTCTCCAGGAGAATCTGCCTTCTGATGAGAGCTGTCTTTCT CTTGATGATCTTGCCAAAGGATAGAGATTGCAGAGGTTGTTCTACTGAAGGATTGGTC TCCATATTAAGAAGAGGAATGATACTGTAGGAGATCATCTGCCCAATGCAACACAAA CCATCTAAGCGAAGAGTGAGATTCCAAGAAATAGACGATAGCTTGGATCAAGATGAAGTT GGAGGTGGCTCCTGTATTTTGGTCTTGTGTCATAGCAACGGTTTTCTCAGTGTT GGAGGAACTGCATTATACTGCACCTTTCGGTGACATGGAGTCACCTGTTTGTACTGACTTT GCAGACAACATGGACTTCTATTACACTAAGTTACTTCAGGGAGTGGCAGAACTGAAGCAC TGGATCTACCTCTCC </pre>
Restriction Sites:	Please inquire
ACCN:	NM_152609
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_152609.1 , NP_689822.1
RefSeq Size:	3608 bp
RefSeq ORF:	2178 bp
Locus ID:	163882
UniProt ID:	Q6PJW8
Cytogenetics:	1q44
Protein Families:	Transmembrane
Gene Summary:	Targeting of numerous transmembrane proteins to the cell surface is thought to depend on their recognition by cargo receptors that interact with the adaptor machinery for anterograde traffic at the distal end of the Golgi complex. Consortin (CNST) is an integral membrane protein that acts as a binding partner of connexins, the building blocks of gap junctions, and acts as a trans-Golgi network (TGN) receptor involved in connexin targeting to the plasma membrane and recycling from the cell surface (del Castillo et al., 2010 [PubMed 19864490]). [supplied by OMIM, Jun 2010] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.