

Product datasheet for **SC325237**

Consortin (CNST) (NM_001139459) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Consortin (CNST) (NM_001139459) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNST
Synonyms:	C1orf71; PPP1R64
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001139459, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGGATGACAGCGATACTCTACATATTATCTGCAAATAGAACCACAAGATGGATGTCAT CCTGGTGACAGCGTGAAAGGAGTGTGACCTGTCTGCCTTCTGCATCAGATGAAAATGAA AATCAGCTTGACGGGGACGGGCATGAGCATCTGACCAGCAGTGACAGTGCGATGGGAAAG CCCCAAGTGTCTGAGCAGGACAGTCTCAATAATAATGAAAGCTGCACATTGAGCTGCGAG GTGGCTGCAGGTGAGAACTTGCAAAACACCCCTTTGTGAAGCCTCCAGAGATGAACAGGCC TTCTTGGGAAAGGACAAAAAATTCCTGGAAAAAGAGTCCAAGAAGCAAAAAAGGGACT GCTAAGAAGATACCACAGGACTTTTTTTCAGGAGATATTGCACCTTTAATGCAAGAAAA GTACTAAGCGCAGTCACATATGCTGTTGATGATGAAGAAGCTGCTGAAGTAAATGCTAAT GAGCAGCCAGAGGCGCCAAAGCTTGTTCGAGTCTCTGTTTTCACTTATACGAGGTGAA GTTGAGCAGTTGGATTCAAGAGCACTTCCCCTTTCCTTCATCAGATAGCAGAATCTAT TCCAGGAGGAGGACTATGAGAAAGCAATGAAATTCATTAGCTAGAACGATTGTATCAT GAGCAATTGCTCGAAAATCTTTCTGCCATTCAAGAACAGTGGGAAACAAAATGGAAAAT GTCAACACATACAGTTACGGCTTAAGGAATTCAGAAAAGGGATTTAATGGTGAAGAT TTTGAACGGCTTACGAAAATTTGTGCAACACATCAAGATCCTCTTTTATCCAAACATAAG ATAGCAGCTGTGGAGAAGTCCCAGGAAAGGAAATGCTCCACGCAGTACTAGTGTCTGAA GATCCAAAGGAAGGAGGAGCTACCACCAAGAGTCAGAGAGTAAAATTTGTCTCGGCACA GAGTCAAGTAAAGAAAGCCAACATACAGTGGAGCCCTGGGGAGCAGTCCCTGCTGTCAT CAGATGGACGTGCAAACAGATTCCTCAAGCCTTTCGGTAACTGCAGGAAAGGACCACATG GAGGAGCTGCTCTGCAGCGCTGAAGCCAGTTCAGCGCTCCACACCCAGTCCCTCCGAGACA GCAGGGAGCCCTCTGGCCAGACTCTTCTGAGGATGCTTGTGAGGATGACAGTCCGTTG CAGCTGGCTCAAACAGAGCCTGCCAGGATGTGGCCAGAATAGAGGGCATTGCTGAAGAC CCTAAGGTGTTTTCTTCCAGCAAGTCAAAGACAGAGCCGTTGATTTACACAGGCTGTGAC CGTATACCTCCTGCATTGATTTCTGAGGGTAAATATTCACAGGCTCAGAGGAAAGAACTC CGTTTGCCACTTCGGGATGCTTCTGAGGCGTTGCCACAGACCAACTTGAGAACAAATGAA TTAAATGAGCTGCAGCAGCCTGATCTTACAGACAGTGTGAAAAATCACCACAGGCGCAG GCTGACTCAGACGGTTCTGAGAATGTGCTCTGTGGAAATAATCAAATATCTGACTTAGGC ATACTGCTCCAGAGGTGTATGGCCCCAGAGGAAAAGGGAGATAAAGACGACCAACTC AACAAAGAAACAGAAGACTATTTGAACAGCCTTTTGAAGGATGTTTAAAAGATACTGAA GATTCCCTTTCTATGAAGATAACCAAGACGACGACTCCGATCTCCTTCAAGATCTCTCT CCTGAAGAAAGCATCCTATAGTCTCCAGGAGAATCTGCCTTCTGATGAGAGCTGTCTTTCT CTTGATGATCTTGCCAAAAGGATAGAGATTGCAGAGGTAATCAGAGA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001139459
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: [NM_001139459.1](#), [NP_001132931.1](#)

RefSeq Size: 2562 bp

RefSeq ORF: 1851 bp

Locus ID: 163882

UniProt ID: [Q6PIW8](#)

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 (2) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.