

Product datasheet for **SC320837**

SOSTDC1 (NM_015464) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SOSTDC1 (NM_015464) Human Untagged Clone
Tag:	Tag Free
Symbol:	SOSTDC1
Synonyms:	CDA019; DAND7; ECTODIN; USAG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015464.2
ACAGTTACAGTGCAGAAGCAGAGGCAAAAGAATTAACCAGCTCTTCAGTCAAGCAAAATCC
TCTACTCACCATGCTTCCTCCTGCCATTCTTTCTATCTCCTTCCCTTGCATGCATCCT
AATGAAAAGCTGTTTGGCTTTTAAAAATGATGCCACAGAAATCCTTTATTCACATGTGGT
TAAACCTGTTCCAGCACACCCAGCAGCAACAGCACGTTGAATCAAGCCAGAAATGGAGG
CAGGCATTTTCAGTAACACTGGACTGGATCGGAACACTCGGGTTCAAGTGGGTTGCCGGGA
ACTGCGTTCCACCAAATACATCTCTGATGGCCAGTGCACCAGCATCAGCCCTCTGAAGGA
GCTGGTGTGTGCTGGCGAGTGCTTGCCCTGCCAGTGCTCCCTAACTGGATTGGAGGAGG
CTATGGAACAAAGTACTGGAGCAGGAGGAGCTCCAGGAGTGGCGGTGTGTCAATGACAA
AACCCGTACCCAGAGAATCCAGCTGCAGTGCCAAGATGGCAGCACACGCCTACAAAAT
CACAGTAGTCACTGCCTGCAAGTGAAGAGGTACACCCGGCAGCACACGAGTCCAGTCA
CAACTTTGAGAGCATGTACCTGCCAAGCCAGTCCAGCATCACAGAGAGCGGAAAAGAGC
CAGCAAATCCAGCAAGCACAGCATGAGTTAGAAGTCAAGTCCCTAACTAGACTTACTA
GTAACCATCTGCTTTACAGATTTGATTGCTTGAAGACTCAAGCCTGCCACTGCTGTTTT
CTCACTTGAAAGTATATGCTTTCTGCTTTGATCAAACCCAGCAAGCTGTCTTAAGTATCA
GGACCTTCTTTGGGAATAGTTTTCTTTTCAAGTTTTTCAAGATGTAGGTATATCCATG
AATGCAATTTGCATTTAAATTCCACGTATCCTGTAGTTTTAATCCTCATTGTTCTTAA
AGACTGTTGATACTATAAACATCAGTGAATCATTATATTTTAAACAGAAAAGGGCTTCT
CAGATACCCTCCATCTACTGGCCATCCCTCTCCTAAACAAAATCCTTCAAAACAGGT
TAAAAAAAATATGTTGTCATGAATCTTCACAGTAACATTTAGAAAAGGTGCTTTTTTGGT
ACTCTTCATGGGAACAGTTTAGCAGCCATGAGTGATCTTCCTTTGAAAGAGAATGAAAGA
CCCTGTGACATTTCACTTCAAAAATAAGCCCTGTAGCTCTTACGGTCGCATAGTATAAA
ATTATACCCTGCATGCTGACCCTCGCTTGAATGGAATGCCAGAAATGCATGGCAGCAGC
TAATAAGTAAAGCTGATTAAGTATTTATTTGTCATGTTATTATTTAATGAGCTTTCACA
TGTGATTTGTTTCAAACTTTAATTTTTAATGTTTTGAACTTTTTTCATGGACCTAAAT
ATTTTCCTATATGATTTGTGGTTGATTAGAAATATGAAATACATGTTGTAGATATGTAA
ATGAATATTTTAGTCTCCTTATTACATATATGTTATGGTGAACCTTATCAATAGTATGG
ATCTTTTTAAATCAATAAGATGCTTTGTAAGTTGAAATAAGTAATACTTTCTTGTTTAA
TCTGTGAATCAGAAGGTGCTTGACCTTCAATTCAATTGGTTTTCTTTTAAACAAAATAA
ACACTGCTAAAAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_015464

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_015464.2, NP_056279.1</u>
RefSeq Size:	1883 bp
RefSeq ORF:	621 bp
Locus ID:	25928
UniProt ID:	<u>Q6X4U4</u>
Cytogenetics:	7p21.2
Protein Families:	Secreted Protein
Gene Summary:	This gene is a member of the sclerostin family and encodes an N-glycosylated, secreted protein with a C-terminal cystine knot-like domain. This protein functions as a bone morphogenetic protein (BMP) antagonist. Specifically, it directly associates with BMPs, prohibiting them from binding their receptors, thereby regulating BMP signaling during cellular proliferation, differentiation, and programmed cell death. [provided by RefSeq, Jul 2008]