

Product datasheet for **SC337211**

SUCO (NM_001282751) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SUCO (NM_001282751) Human Untagged Clone
Tag:	Tag Free
Symbol:	SUCO
Synonyms:	C1orf9; CH1; OPT; SLP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001282751, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCGTCAACACCAGATACTCCAAAAGAGAGTCCCATTGTACAGTTAGTTCAAGAGGAGGAAGAGG
AGGCAAGTCCATCTACAGTGACCCTTCTGGCAGCGGTGAACAGGAAGATGAATCATCACCCTGGTTTGA
GTCAGAGACACAAATATTTTGCAGTGAAGTACCACAATTTGTTGATTTCTAGTTTTTTCAGAATACATA
TATAAATGGTGTTCAGTTAGAGTTGCTCTTTATCGGCAGCGCAGCCGAAGTCTTTGAGTAAAGGAAAAG
ATTATCTTGTGTAGCTCAACCACCTTACTACTTCTCTGCGGAATCAGTAGATGTTTCAGTATTGCAACC
TCTGAGTGGAGAATTGGAAAATACGAATATAGAAAAGGGAAGCTGAAACTGTTGTTCTGGGTGATTTAAGT
AGTAGTATGCACCAGGATGACTTGGTGAATCACACTGTAGATGCAGTTGAACTTGAACCAAGCCATTCTC
AAACTCTTCTCAGTCTCTTCTTTAGATATTACCCAGAAATCAATCCCTTGCCTAAAAAGAAAGTATC
TGAGTCTGTTGAATATGAGGCAGGACATATACCATCACCAGTATTCCCAAGAGAGTTCGTTGAGATC
GATAATGAAACAGAACAAAAGTCTGAGAGCTTTAGTTCTATAGAGAAACCATCTATTACCTATGAAACAA
ATAAAGTTAATGAGTTAATGGATAATATTATAAAGAAGATGTGAACTCCATGCAAAATTTTCACAAAGCT
GTCTGAAACAATAGTGCCACCAATAAATACAGCCACTGTACCCGACAATGAAGATGGGGAAGCCAAAATG
AATATAGCTGACACAGCAAAGCAAACCTTTGATTTCTGTTGTGGATTCTTCTTATTACCTGAAGTAAAAG
AAGAAGAACAGTCTCCAGAAGATGCCCTTTTGGAGGGTTACAGAGGACAGCTACAGATTTTATGCTGA
ATTGCAAAATTTCTACAGATCTAGGATATGCTAATGGAAATCTTGTACATGGATCAAACCAAAAGGAGTCA
GTATTTATGAGACTTAATAATCGTATTAAGCCTTAGAAGTTAACATGTCTCTCAGTGGTCGCTATCTGG
AGGAGCTTAGCCAAAGGTACCGAAAACAATGGAAGAAATGCAAAAGGCTTCAATAAAACAATCGTGAA
ACTTCAGAATACTTCAAGAATAGCAGAGGAGCAGGATCAGCGGCAAACTGAAGCCATCCAGTTGCTACAG
GCACAGCTGACCAACATGACACAGCTTGTTCAAATTTATCAGCAACAGTAGCAGAATTGAAACGGGAGG
TTTCAGATCGACAAAGCTATCTTGTCTATCTTTGGTTCTTTGTTGTTCTTGGGACTGATGCTTTGTAT
GCAGCGTTGTCGAAATACTTCTCAATTTGATGGAGATTATTTTCAAACTTCTAAAAAGTAAATCAGTAT
CCAAGCCCTAAAAGGTGTTTCTTCTCTATGATGATATGAATTTGAAAAGAAGAACTTCAATCCCACTCA
TGAGATCCAAGTCTCTACAGTTAACTGGCAAAGAAGTAGACCCAAATGATTTGTACATTGTAGAACCCT
CAAGTTTTCTCCAGAAAAGAAGAAGCGCTGCAAGTACAAAATTTGAAAAAATTGAGACCATAAAGCCT
GAAGAACCATTGCACCCCATAGCCAATGGCGACATAAAAAGGAAGAAAGCCCTTACGAACCAGAGAGATT
TTTCTAATATGGGAGAAGTTTATCACTCTTCTTATAAAGGTCCTCATCTGAAGGAAGCTCAGAACTTC
ATCACAGTCAGAAGAGTCTATTTTGTGGCATTTCAGCTTGACAAGTCTGTGCAATGGACAGTCTCAA
AAGACAAAACACTGAGAAGAGGGCTTTAAACGAAGACGATCTAAAGTCCAAGACCAAGGAAAATTGATAA
AAACTCTAATACAGACTAAGTCGGGATCATTGCCGAGCCTGCATGACATAATCAAAGGAAACAAAGAGAT
CACCGTGGGAACATTTGGTGTACAGCAGTCTCGGGACATATCTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001282751

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).

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_001282751.1](#), [NP_001269680.1](#)

RefSeq Size: 5511 bp

RefSeq ORF: 2076 bp

Locus ID: 51430

UniProt ID: [Q9UBS9](#)

Cytogenetics: 1q24.3

Protein Families: Transmembrane

Gene Summary: Required for bone modeling during late embryogenesis. Regulates type I collagen synthesis in osteoblasts during their postnatal maturation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (4) contains multiple differences in the 5' UTR and coding region, compared to variant 2. This variant represents translation initiation at a downstream AUG compared to variant 2; the 5'-most initiation codon, as used in variant 2, is associated with a truncated ORF that would render the transcript a candidate for nonsense-mediated decay (NMD). Leaky scanning may allow translation initiation at the downstream AUG.