

## Product datasheet for RC212757

### SUCO (NM\_014283) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SUCO (NM_014283) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SUCO
Synonyms:	C1orf9; CH1; OPT; SLP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212757 representing NM_014283 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGAAGCACCGGCGGCCTTGGCCCTGGTCTCCTGCCTCTTTCTGTGCTCTCTGGTCTGGCTCCCA  
GCTGGCGTGTATGTTGTAAGAGAGTTCCTCAGCTTCAGCGTCATCATATTACTCTCAAGATGACAACTG  
CGCACTAGAAAAAAGAGATGTACAATCCAGAAAAAGGATGAAAGAGAGGGACCTATCAATGCCGAATCA  
TTGGGAAAATCAGGTTCAAATTTACCTATTTCTCCAAAAGAACAATAAATTTAAAGATGATTCTATTGTGG  
ATGTACAAAATACAGAGTCAAAAAGTTAAGTCCACCGTGGTGGAGACACTCCCTACAGTTGATTTGCA  
TGAAGAGTCTTCCAATGCAGTTGTGGACAGTGAAGTGTGAAAATATTTCCAGCTCATCTACCTCAGAA  
ATCACTCCAATCTCAAAGCTTGATGAAATAGAAAAATCTGGTACTATTCCGATAGCCAAACCAAGTGAAA  
CTGAGCAGTCTGAACTGATTGTGATGTTGGTGGGCCCTTGATGCTAGTGCTCCAATTGAACAACCTTC  
CTTTGTCAGTCCACCTGACAGCCTTGTGGCCAGCATATAGAAAAATGATCATCTTCACATGGTAAAGGA  
AAGATAACAAAATCAGAATTTGAATCAAAGTTTCAGCAAGTGAACAGGGCGGTGGTATCCAAAATCTG  
CATTGAATGCTTCAGATAATTTAAAAATGAGAGCTCTGATTATACAAAACCAGGAGACATTGACCCTAC  
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GAGCACATCTGCTATTCTTATAGAAAATATGGATCTTTACATGTTGAATCCTTGCAGCACTAAAAATTTGG  
TTTGTTATTGAACTTTGTGAACCAATTCAGTAAAACAGCTTGATATTGCAAATATGAATTATTTTCTT  
CTACTCTAAAGATTTTCTGTTTCTATCAGTGACAGATATCCAACAAATAAGTGGATTAAGCTGGGTAC  
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AAGATGTTTCATCAAGTACATAAAGTTGAGTTGCTATCACATTTTGGATCAGAGCACTTTTGTCCATTAA  
GCCTTATAAGGGTATTTGGCACTAGCATGGTGAAGAATATGAAGAAATGCTGATTCAGTATCACTC  
AGAACGCCAGGAATTTGATGAGGACTATGATTATCCACTGGATTATAATACTGGAGAGGATAAATCC



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TCAAAAAATCTTCTTGGTCTGCTACAAAATGCCATTCTAAATATGGTGAATATTGCTGCTAATATTCTGG  
GAGCAAAAAGTGAAGACCTGACAGAAGGAAATAAAAGTATATCTGAGAATGCCACTGCCACAGCTGCACC  
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GAATACATATATAAATGGTGTTCAGTTAGAGTTGCTTTTATCGGCAGCGCAGCCGAACCTGTTTGAGTA  
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GCCATTCTCAAACCTTTTCTCAGTCTCTTCTTTTATAGATATTACCCAGAAAATCAATCCCTTGCTAAAAT  
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TTATGCTGAATTGCAAAATCTACAGATCTAGGATATGCTAATGGAAATCTTGTACATGGATCAAACCA  
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AACGGGAGGTTTCAGATCGACAAAAGCTATCTTGTATATCTTTGTTCTTTGTTGTCTTGGGACTGAT  
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TCCCACTCATGAGATCCAAGTCTCTACAGTTAACTGGCAAAGAAGTAGACCCAAATGATTTGTACATTGT  
AGAACCCTCAAGTTTTCTCCAGAAAAGAAGAAGCGCTGCAAGTACAAAATGAAAAAATTGAGACC  
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CAGTCTCAAAAGACAAAACCTGAGAAGAGGGCTTTAAAACGAAGACGATCTAAAGTCCAAGACCAAGGAA  
AATTGATAAAAACCTAATACAGACTAAGTCGGGATCATTGCCGAGCCTGCATGACATAATCAAAGGAAA  
CAAAGAGATCACCGTGGGAACATTTGGTGTACAGCAGTCTCGGGACATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC212757 representing NM\_014283  
 Red=Cloning site Green=Tags(s)

MKKHRRALALVSCLFLCSLVWLPSPWRVCKEASSASASSYYSQDDNCALENEVDVQFKKDEREGPINAES  
 LGKSGSNLPISPKEHKLKDDSIVDVQNTESKLSPPVVELTPTVDLHEESSNAVVDSEITVENISSSTSE  
 ITPISKLDEIEKSGTIPIAKPSETEQSE TDCDVGEALDASAPIEQSPFVSPDLSLVGQHIENVSSSHGKQ  
 KITKSEFESKVSASEQGGGDPKSA LNASDNLKNESSDYTKPGDIDPTSVASPKDPEDIPTFDEWKKKVM  
 VEKESQSMHASSNGGSHATKKVQKNRNNYASVECGAKILAA NPEAKSTSAILIENMDLYMLNPCSTKIW  
 FVIELCEPIQVKQLDIANYELFSSTPKDFLVSISDRYPTNKWIKLGT FHG RDERNVQSFPLDEQMYAKYV  
 KMFIKYIKVELLSHFGEHFCLPSLIRVFGTSMVEEYEEIADSQYHSERQELFDEDYDYLDPDYNTGEDKS  
 SKNLLGSATNAILNMVNI AANILGAKTEDLTEGNKISENATATAAPKMPSTPVSTPVPSPEYVTEVH  
 THDMEPSTPDKESP I VQLVQEEEEEEASPSTVTL LSGGEQEDESSPWFES ETQIFCSELTTICISSFS  
 EYIYKWC SVRVALYRQRRTALSKGKDYLVLAQPPLLLPAESVDVSVLQPLSGE LENTNIEREAETVVLG  
 DLSSSMHQDDL VNHTVDAVELEPSHSQTL SQSLLLDITPEINPLPKIEVSE SVEYEA GHIPSPVIPQESS  
 VEIDNETEQKSEFS SIEKPSITYETNKVNELMDNI IKEDVNSMQIFTKLSETIVPPINTATVPDNEDGE  
 AKMNIADTAKQTLISVVDSSSLPEVK EEEQSPEDALLRGLQRTATDFYAE LQNSTDLGYANGNLVHGSNQ  
 KESVFMRLNNR I KALEVNMSLSGRYLEEL SQRYRKQMEEMQAFNKTI VKLQNTSRIAEEQDQRQTEAIQ  
 LLQAQLTNMTQLVSNLSATVAELKREVS DRQSYLVISLVL CVVLGLMCMQRCRNTSQFDGDYISKLPKS  
 NQYPSPKRCFSSYDDMNLKRRTSFPLMRSKSLQLTGKEVDPNDL YIVEPLKFSPEKKKRCKYKIEK IET  
 IKPEEPLHPIANGDIKGRKPF TNQRDFS NMGEVYHSSYK GPPSEGSSETSSQSEESYFCGISACTSLCNG  
 QSQKTKTEKRALKRRRSKVQDQGLIKTLIQTKSGSLPSLHDI I KGNKEITVGTFGVTAVSGHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



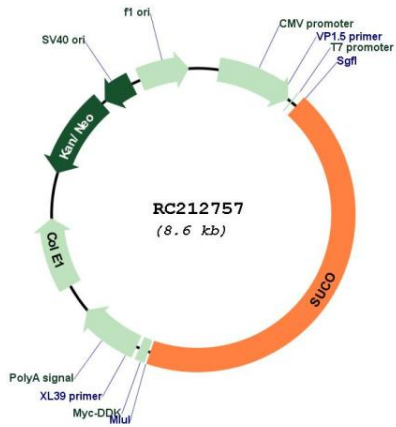
\* The last codon before the Stop codon of the ORF

ACCN: NM\_014283

ORF Size: 3762 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_014283.5</a>
<b>RefSeq Size:</b>	5669 bp
<b>RefSeq ORF:</b>	3765 bp
<b>Locus ID:</b>	51430
<b>UniProt ID:</b>	<a href="#">Q9UBS9</a>
<b>Cytogenetics:</b>	1q24.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	139.4 kDa
<b>Gene Summary:</b>	Required for bone modeling during late embryogenesis. Regulates type I collagen synthesis in osteoblasts during their postnatal maturation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC212757