

Product datasheet for **RC239317**

SUCO (NM_001282751) Human Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RC239317 representing NM_001282751
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCGTCAACACCAGATACTCCAAAAGAGAGTCCCATTGTACAGTTAGTTCAAGAGGAGGAAGAGG
 AGGCAAGTCCATCTACAGTGACCCTTCTGGGCAGCGGTGAACAGGAAGATGAATCATCACCTGGTTTGA
 GTCAGAGACACAATATTTTGCAGTGAAGTACACCAATTTGTTGATTTCTAGTTTTTCAGAATACATA
 TATAAATGGTGTTCAGTTAGAGTTGCTCTTTATCGGCAGCGCAGCCGAAGTCTTTGAGTAAAGGAAAAG
 ATTATCTTGTGTAGCTCAACCACCTTACTACTTCTGCGGAATCAGTAGATGTTTCAGTATTGCAACC
 TCTGAGTGGAGAATTGAAAATACGAATATAGAAAGGGAAGCTGAAACTGTTGTTCTGGGTGATTTAAGT
 AGTAGTATGCACCAGGATGACTTGGTGAATCACACTGTAGATGCAGTTGAACTTGAACCAAGCCATTCTC
 AAACCTTTCTCAGTCTCTTTTAGATATTACCCAGAAATCAATCCCTTGCCTAAAAAGAAATGATC
 TGAGTCTGTTGAATATGAGGCAGGACATATACCATCACCAGTATTCCCCAAGAGAGTTCTGTTGAGATC
 GATAATGAAACAGAACAAAAGTCTGAGAGCTTTAGTTCTATAGAGAAACCATCTATTACCTATGAAACAA
 ATAAAGTTAATGAGTTAATGGATAATATTATAAAGAAGATGTGAACTCCATGCAAAATTTTCACAAAGCT
 GTCTGAAACAATAGTGCCACCAATAATACAGCCACTGTACCCGACAATGAAGATGGGGAAGCCAAAATG
 AATATAGCTGACACAGCAAAGCAAACCTTGTATTCTGTTGTGGATTCTTCTTATTACCTGAAGTAAAAG
 AAGAAGAACAGTCTCCAGAAGATGCCCTTTTGGAGGGTTACAGAGGACAGCTACAGATTTTTATGCTGA
 ATTGCAAAATTTACAGATCTAGGATATGCTAATGGAAATCTTGTACATGGATCAAACAAAAGGAGTCA
 GTATTTATGAGACTTAATAATCGTATTAAGCCTTAGAAGTTAACATGTCTCTCAGTGGTCGCTATCTGG
 AGGAGCTTAGCCAAAGGTACCGAAAACAATGGAAGAAATGCAAAAGCTTTCAATAAAAACAATCGTGAA
 ACTTCAGAATACTTCAAGAATAGCAGAGGAGCAGGATCAGCGGCAAACTGAAGCCATCCAGTTGCTACAG
 GCACAGCTGACCAACATGACACAGCTTGTTCAAATTTATCAGCAACAGTAGCAGAATTGAAACGGGAGG
 TTTGAGATCGACAAAGCTATCTTGTCATATCTTTGGTTCTTTGTGTTGTCTTGGGACTGATGCTTTGTAT
 GCAGCGTTGTCGAAATACTTCTCAATTTGATGGAGATTATTTTCAAACCTTCTAAAAGTAAATCAGTAT
 CCAAGCCCTAAAAGGTGTTTCTTCTCTATGATGATATGAATTTGAAAAGAAGAATTCATTCCTCACTCA
 TGAGATCCAAGTCTCTACAGTTAACTGGCAAAGAAGTAGACCCAAATGATTTGTACATTGTAGAACCCT
 CAAGTTTTCTCCAGAAAAGAAGAAGAAGCGCTGCAAGTACAAAATGAAAAAATGAGACCATAAAGCCT
 GAAGAACCATTGCACCCATAGCCAATGGCGACATAAAAGGAAGAAGCCCTTTACGAACCAGAGAGATT
 TTTCTAATATGGGAGAAGTTTACTCTTCTTATAAAGTCTCCATCTGAAGGAAGCTCAGAACTTC
 ATCACAGTCAGAAGAGTCTATTTTTGTGGCATTTCAGCTTGACAAGTCTGTGCAATGGACAGTCTCAA
 AAGACAAAACACTGAGAAGAGGGCTTTAAAACGAAGACGATCTAAAGTCCAAGACCAAGGAAAATGATAA
 AAACCTAATACAGACTAAGTCGGGATCATTGCCGAGCCTGCATGACATAATCAAAGGAAACAAAGAGAT
 CACCGTGGGAACATTTGGTGTACAGCAGTCTCGGGACATATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239317 representing NM_001282751
 Red=Cloning site Green=Tags(s)

MEPSTPDPKESPIVQLVQEEEEASPSTVTLGSGEQEDESSPWFSESTQIFCSELTTICISSFSEYI
 YKWC SVRVALYRQRSRTALSKGKDYLVLAQPPLLLPAESVDVSVLQPLSGELENINIEREAETVVLGDL
 SSMHQDDL VNHTVDAVELEPHSQTLSQSLLLDITPEINPLPKIEVSESVYEAGHIPSPVIPQESSVEI
 DNETEQKSEFSSEIEKPSITYETNKVNELMDNIKEDVNSMQIFTKLSETIVPPINTATVPDNEDGEAKM
 NIADTAKQTLISVVDSSSLPEVKEEEQSPEDALLRGLQRTATDFYAE LQNSTDLYANGNLVHGSNQKES
 VFMRLN NRIKALEVNMSLSGRYLEELSQRYRKQMEEMQKAFNKTIVKLQNTSRIAEEQDQRQTEAIQLLQ
 AQLTNMTQLVSNLSATVAELKREVSDRQSYLVISLVLCVVLGLMLCMQRCRNTSQFDGDYISKLPKSNQY
 PSPKRCFSSYDDMNLKRRTSFPLMRKSLQLTGKEVDPNDLYIVEPLKFSPEKKKKRCKYKIEKIETIKP
 EEPLHPIANGDIKGRKPF TNQRDFS NMGEVYHSSYKGGPPSEGSSETSSQSESYFCGISACTSLCNGQSQ
 KTKTEKRALKRRRSKVQDQGLIKTLIQTKSGSLPSLHDIKGNKEITVGTFGVTAVSGHI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

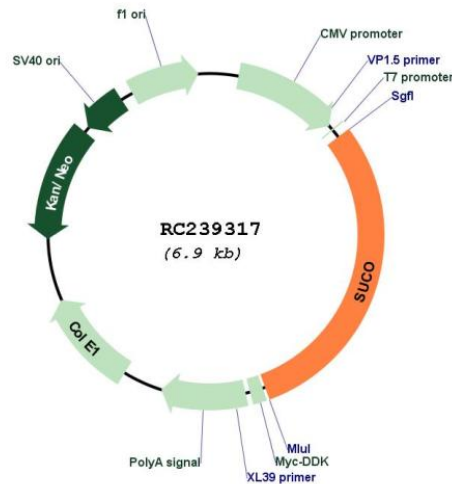
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282751

ORF Size: 2073 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>Q9UBS9</u>
Cytogenetics:	1q24.3
Protein Families:	Transmembrane
MW:	77.9 kDa
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]