

Product datasheet for **RC206208**

C5orf25 (SIMC1) (NM_198567) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5orf25 (SIMC1) (NM_198567) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C5orf25
Synonyms:	C5orf25; OOMA1; PLEIAD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC206208 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACCAGCATCTGCTTCTGGTGAGGACCTCAGGAAGCTTCCAACCATGGCAGAGGTGAATGGGGAGC
 AGGACTTCATTGACTTAACTAGAGAGACCAGACCAAGGACAAAAGATCGCAGTGGACTGTATGTGATTGA
 CCTGACAAGAGCTGAGGGAGAAAATAGACCTATTGCCACTCTTGACTTAACTTTAGAACCTGCACTCCT
 TCCCAGAAGGAGCCAACCACTTCCAGACATGTGCCAGCCTCTCTGGCAAAGCGGTGATGGAAGGGCAGC
 TGGACAGAAGCTCTCAGCCTACAGCACGGAGAATCATTAAACAGTGATCCTGTAGATTTGGACCTAGTGA
 AGAAAACACCTTTGTAGGTCCCCACCCGCTACATCCATCAGTGGAGGCTCTGTTTATCCAACAGAGCCT
 AATTGTAGCTCAGCCACATTACAGGTAACCTCAGCTTCTTGGCAAGTCTACAGCTGTCTCAGATGTTA
 GCTCCCTCTCCCAACAAGCAATAATAGTAGGAGCAGCAGCAGCAGCAATCAAAAAGCACCTTGGC
 ATGCCACAGCAAGATGTATCTCGCCACCACAGGCTTGGCGTCCCTGCGACCTTTGCCATGCCCA
 CCGAGAGCCTCACCATGTCCACCACGAGCCTCCTCATGCCACCACGAGCCTTGTATGCCATCACAAA
 CCATGCAGTGCCAACTACCAGCTCTAATCACCACCTCAAGAAGTGCCATGCCCTCGGCAGAATATCCC
 AGGCCACCTCAAGACTCTTGGGCTACCTCAAGATGTGCCAGGGCTGCCTCAAAGCATATTACATCCA
 CAAGATGTGGCATACTGCAAGACATGCCACGGTACCAGGAGATGTGCCACAGTACCAAGTGTGTT
 CACCGTACCAGATGCACCACAGTACCAGGGGCGATGCCACACTTACCGGAGATGTGTTACATTCACC
 TGGAGACATGCCACACTCATCAGGGGACGTGACACACTCACCTAGAGACATCCCTCACTTACCAGGAGC
 AGGCTGACTTTACCCAGAATGATGTACAGAACCGTGACATGCCTATGGATATCTCAGCTCTGTCTCTC
 CAAGTGTCTCTCCAGACCACAGTCTGAACTCCCTTAGAGAAAAGTTCCCTGGCTCTGTATGCAAGCA
 CCCAGCCAGAAAAGAAATACACTGTGAGAGCCTGCCAAACCTGGGTCTGCCACGTACAATCACGAACA
 CCAAGGTGGGTTGTACAACAGACCATGCCTGCATAGACTGAAGTACTTCTTACGTCCTCCGGTTCATC
 ACCTCTTCTTTCAGACGTAATACCGGATAAAGACACAAGAGAGAACAAGGGTCAAAGATTAGAACCCT
 CCCTCATCGAAGACTAAGAATGGTAACAAATACCATGAAGAGAAATTTCTCTGGGGACTGTGCAGTTT
 TTGATGGACTTTGTGCACCCAGCATTACCCACCAAGAGAAATCGTGGCTCACATCCAGAAAATCT
 TGCTCAGTGGCTCTGAGACTGTGGATGTCCTAAGGAGGCCTACATGCTTCTCATGAAAATCAACAGCT
 ACATCCAGCCAATGCCAAGACAGTGGAGTGGGACTGAAAAGTGTACCTATGTCATGGAGGAAGAGGGA
 CAAACTCTGCCTGGGCGAGTCTTTTCTGCGTTATGTGCTTACAGCCCTAGAAGATGACTTTCAGCAGA
 CCCTGAGGAGGCAACGGCAGCACCTGCAGCAATCCATTGCAAACATGGTGTCTTCTGTGACAAGCAGCC
 CCAATGTACAGGGATGTTATCAAGTGGCTGGTCAAAGCAGTAACTGAAGATGGATTGACTCAGCCCCCA
 AATGGAATCAAACGTCTTCAGGAACAGGAATCTTGAAGCCAGCAGTAGCCACCCTTCTCCAGCCCCA
 ACCTGACAAAAGAACCAATCAGCTGATTTGTGTGCCAGCTTACAGAGGATGCTCTCCATAGCCGTAGAGG
 GGACAGGACCCCCACCTGCAGCTCCAATAAAATGGCCAGATGATGTTGGGTTTGTGCTGGACATTCT
 GAGAGGAGCCAGAGAGAAATGTTCTTTACTACCATGGAAGCCACCTTCTGCGTCAAAGTGTAGAAA
 TCATATTCCTCCACAGCTGTGAGACCCACCCGCTGCCTCTGTCTCTGGCCAGGCCCTACTTTCT
 GAATAATTCTACGTCACTGCTCAAGTGTGAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGT
 GAGCGTCTGCAGTTTCTGCTGTCCAGTTATCAACATGTTTTAAGAGAACAACCTAAGGAGTCCGTGATCG
 ACCGAAAGGACTTAATAATCAAAGGATTAAGCCCAAACCCAGCAAGGAGATGACATCACAGTGGTAGA
 CGTAGAGAAGCAGATTGAGGCCTTCCGACGCGCCTGATCCAGATGCTGGGGGAGCCTCTGTCCCCCA
 CTCCAAGACAAAGTGCATTGTTGAAGCTCTGCTCTTCTATGCTGCGGACTTGAACCCTGATGCAGAGC
 CCTTTCAAAGGGCTGGAGCGGCTCC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206208 protein sequence
 Red=Cloning site Green=Tags(s)

MAPASASGEDLRKLPMAEVNQEQDFIDL TRETRPRTKDRSGLYVIDL TRAEGENRPIATLDL TLEPVTP
 SQKEPTSLQTCASL SGKAVMEGHVDRSSQPTARRI INSDPVDL DLVEENTFV GPPPATSI SGGSVYPT
 NCSSATFTGNL SFLASLQL SSDVSSL SPTSNNRS SSSSSNQKAPL PCPQQDVS RPPQAL PCPLRPL PCP
 PRASPCPRASSCPRAL SCPSQTMQCQLPAL THPPQEVPCPRQNI PGPPQDSLGLPQDVPLPQSILHP
 QDVAYLQDMRSPGDV PQSPSDVSPSPDAPQSPGGMPHLPGDVLHSPGDMPHSSGDVTHSPRDIPHLPGD
 RPDFTQNDVQNRDMPMDI SALSSPSCSPRPQSETPLEKVPWLSV METPARKEISL SEPAKPGSAHVQSR
 T PQGGLYNRPCLHRLKYFLRPPVHHLFFQTL IPDKDTRENKQORLEPIPHRRLRMVTNTIEENFPLGT
 VQF LMDFVSPQHYPPIVAHI IQKILL SGSETVDVLKEAYMLLMKIQQ LH PANAKTVEWDKLLTYVME
 EEG QTL PGRVLF LRYVVQTL EDDFQQLRRQRHLQQSIANMVL SCDKQPHNVRDVIKWL VKAVTE
 DGLTQPP NGNQTSSGTGILKASSHPSSQPNLTKNTNQLIVCQLQRLMSIAVEVDRTPTCSSNKIAEM
 MFGVLDIP ERSQREMF FTTMESHLLRCKVLEIIFLHSCETPTRLPLSLAQAL YFLNNSTLLKQ
 SDKSQWQTWDELV ERLQFLSSYQHVLREHLRSSVIDRKDL I IKRIKPKPQQGDDITVVDVEKQIEA
 FRSLIQMLGEPLV PQ LQDKVHLLKLLLFYAADLNPD AEPFQKGWSGS

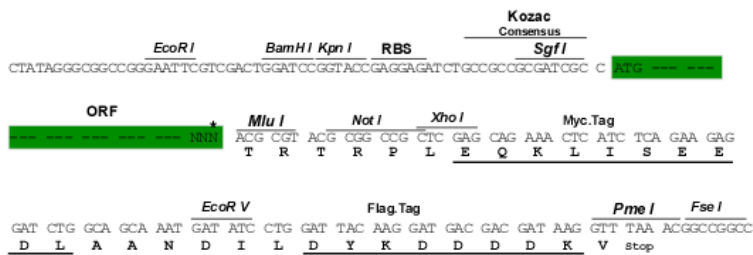
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6695_c02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

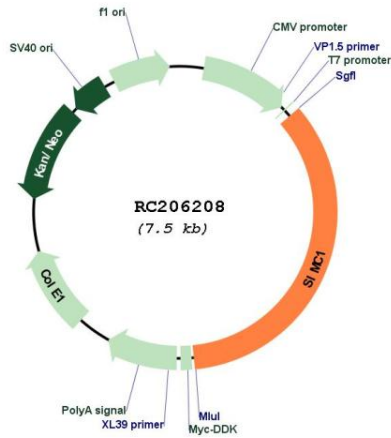
Cloning sites used for ORF Shuttling:



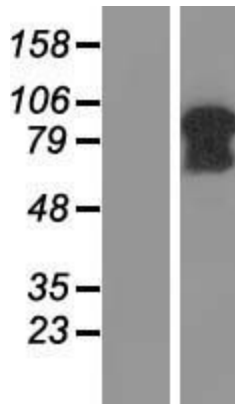
* The last codon before the Stop codon of the ORF

ACCN:	NM_198567
ORF Size:	2616 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:	<ol style="list-style-type: none">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_198567.2
RefSeq Size:	2087 bp
RefSeq ORF:	1374 bp
Locus ID:	375484
UniProt ID:	Q8NDZ2
Cytogenetics:	5q35.2
MW:	97 kDa
Gene Summary:	Inhibits the protease activity of CAPN3.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC206208



Western blot validation of overexpression lysate (Cat# [LY404861]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206208 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).