

Product datasheet for **SC324099**

C1orf2 (FAM189B) (NM_198264) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf2 (FAM189B) (NM_198264) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1orf2
Synonyms:	C1orf2; COTE1
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_198264.1
 AAAGGACGGGCTTGGGCGCCTCTGAGATGCTCCCAAGTGCCAGGGAGGGCCGAGCGAG
 GCGCAGGCAACCGGGCAGCAGGCATGATGCCCTCGCCTAGTGACTCCAGCCGCTCGCTGA
 CCAGCCGGCCAGCACCAGGGGCTTACCCACCTCCGCTCCACCAGCCCTGGCTGCAGG
 CCCTGCTTACGCTGGGGCTGGTCCAAGTCTCTGGGCATCCTGGTGGTACACCTCAGCA
 TGGTGGCCTCTTCCGTCACCACCACCGAGAGCATCAAGAGGTCTGCCGCTTTGGGCTG
 GGTCTCGAACCTGCTCTTCCAGCTCTGTGGGCTCACCATTGTGCCGCTATAATCTGTG
 CACTCTCTGCTATTGTCTGCTGCATCCAAATCTTCTCCCTGGACCTCGTGCATACGCTGG
 CCCCTGAGCGGTCACTCTCAGGCCACTGGGACCTCTGGGCTGCACGTCCCCGCCCCAG
 CCCCTCTCTACACACCATGCTGGACCTGGAGGAATTTGTCCCGCTGTGCCCCACCGC
 CCTACTATCCCCAGAGTATACCTGCAGCTCAGAAACAGATGCACAGAGCATCACGTACA
 ATGGCTCCATGGACAGCCAGTGCCTTGTACCCTACCGATTGCCCCCTTCTTATGAGG
 CAGTCATGGGACTACGAGGAGACAGCCAGGCCACTCTCTTGACCCTCAGCTTACGATG
 GCTCGTGCATCTGTGAACGAGTGGCCTCCATTGTAGACGTGTCCATGGACAGCGGGTCTC
 TGGTGCTGTGAGCATTGGTGCCTCCCTGGGGGCTCTAGCCCGTCGGAGGACTCGTGCC
 TGCTGGAGCTGCAGGGCTCCGTGCGCTCCGTGGACTACGTTCTCTTTCCGCTCCATCCAGC
 GCAGCCGTGCCGGCTACTGCCTCAGCCTGGACTGTGGCCTGCGGGGCCCTTCGAGGAAA
 GCCCCCTGCCACGGCGCCCCACAGGGTGCCTCCTATTCTGCTCTGCCCTGAAG
 CTCCACCCCACTGGGTGCCCCACAGCTGCCCGAGCTGCCACCGGTTGGAGGGCTGGC
 CGCCCTGGGTGGGACCCTGCTTCCCGAGCTGAGGCGCGGGTCCCCGGGGAGGGGGCC
 GCCCAGCCGACGCCCCGCCACCCGAGCCCCGACTCGTCGCTTACGCGATAGCTCAGGTT
 CCCTCACCCACCGGGGACCGGCTCCTCATCCGGCATCCCCACCACCGCTGCTGCTGC
 CAGGTCACACAGCGACCCAGGCATCACGACCTCAGTGACACTGCTGACTTCAGGGACC
 TTTATACCAAAGTGCTTGAGGAAGAAGCTGCTTCTGTTTCTCTGCAGATACAGGGCTCT
 GCTCTGAAGCCTGCCTTCCGCTAGCCCGCTGCCCTTCCCCAAGTTGCTACGTGCC
 GGTGAGCCGAGAAACGGCGCCCTGTGCCACCTTCAAAAAGTTCCCTGCCCTCGGGCC
 CTGCACCTGCCACTCCCTGGGGACCTAAAGGGCAGCTGGCCAGGTCGGGGCTGGTCA
 CTCGTTTCTCCAGATATCCAGGAAAGCCCCAGACCCAGTGGGACTGGAGCTCATGGAC
 ATAAGCAGGTGCCCGGAGCCTGTGGGGCCGGCCTGGCCGAGAGCCTCCACCTTCGCA
 GCTGCGGAGATCTGAGCTCTAGCTTCCCTGCGGCGTCTCTGTCTGGCCGAGGCTGG
 AGCGTGGTACCCGCCCCACAGCCTCAGCCTCAACGGGGGACCGGGGAGACTGGGCTCT
 GACCTAGGCTTCTGTACACTGAACACATCCAGCCACAGGCACCAAGCTGGTTGGGACCA
 GCAGCCCCAGCATCCTCTTGCACCTGGTGGCAGAAAAAGAAACCTGCTGTATACCCCC
 AAAGTGTCCCTTCCCTCCTACCTCTGGGGTCTCTTGTGCTTGCCTCTGCTGCTGGA
 CTGGGAGAGCTTCTGTCTGTGCTGCATGGGATTTAGACTGTGGGGGAGATGCCCTTC
 TTATAGCACTGGAGGAGGAAAACAAATTCTGTCCCTCAGAATGAGAGTGGCTTTTC
 TGATTTGCAAGGGCACTATGGTCAGGGCAAAGGCATGGCCAGGTGTTAAGTACAGGGT
 GACGTGTGCCTATGCAATGGGGTGGTAAGGCAGGCACGAAGAGTCAAAAAATCTAGGTG
 GCCTCTCAGCTCTGCCACCTCTAGCTGCATGACCTTGGGCAAGCTATGTAACCCCAATTG
 CCTGCTCCATTAAGACTGTGAAGGTAGAATGTTGTAAAGCTCTAACAGTATGTAAGC
 CTCAATAAATTTCAAGTTTTCCCTTGTCTTCTGATCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_198264

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:	<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:	<u>NM_198264.1</u> , <u>NP_937995.1</u>
RefSeq Size:	2921 bp
RefSeq ORF:	1719 bp
Locus ID:	10712
UniProt ID:	<u>P81408</u>
Cytogenetics:	1q22
Protein Families:	Transmembrane
Gene Summary:	<p>This gene is located near the gene for the lysosomal enzyme glucosylceramidase; a deficiency in this enzyme is associated with Gaucher disease. The encoded protein has been identified as a potential binding partner of a WW domain-containing protein which is involved in apoptosis and tumor suppression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (2) lacks an in-frame portion of the 5' coding region compared to variant 1. The resulting protein (isoform b) is shorter than isoform a.</p>