

Product datasheet for **SC124663**

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:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC124663 sequence for NM_198264 edited (data generated by NextGen Sequencing)

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ATGATGCCCTCGCCTAGTGACTCCAGCCGCTCGCTGACCAGCCGGCCAGCACCAGGGGC
CTTACCCACCTCCGCCTCCACCGACCCTGGCTGCAGGCCCTGCTTACGCTGGGGCTGGTC
CAAGTGCTCCTGGGCATCCTGGTGGTACACCTTACAGCATGGTGGCCTTCCGTCACCACC
ACCGAGAGCATCAAGAGGTCTGCCCGTCTTGGGCTGGGTTCTCGAACCTGCTCTTCAGC
GCTGTGGGCTCACCATTTGTGCCGCTATAATCTGTACACTCTGCTATTGTCTGCTGC
ATCCAAATCTTCTCCCTGGACCTCGTGCATACGCTGGCCCTGAGCGGTAGTCTCAGGC
CCTACTGGGACCTCTGGGCTGCACGTCCCCGCCCCAGCCCTCTCTACACACCATGCTG
GACCTGGAGGAATTTGTCCCGCTGTGCCCCACCGCCCTACTATCCCCAGAGTATACC
TGCAGCTCAGAAACAGATGCACAGAGCATCACGTACAATGGTCCATGGACAGCCAGTG
CCCTTGTACCCTACCGATTGCCCCCTTCTTATGAGGCAGTCATGGGACTACGAGGAGAC
AGCCAGGCCACTCTTTGACCCTCAGCTTACGATGGCTCGTGCATCTGTGAACGAGTG
GCCTCCATTGTAGACGTGCCATGGACAGCGGGTCTCTGGTGTGTCAGCCATTGGTGAC
CTCCCTGGGGCTCTAGCCCGTCGGAGGACTCGTGCCTGCTGGAGCTGCAGGGCTCCGTG
CGCTCCGTGGACTACGTTCTTTTCGCTCCATCCAGCGCAGCCGTGCCGGCTACTGCCTC
AGCCTGGACTGTGGCCTGCGGGGCCCTTCGAGGAAAGCCCTGCCACGGCGCCCCCA
CGGGTGGCCGCTCCTATTCTGCTCTGCCCTGAAGCTCCACCCCACTGGGTGCCCC
ACAGCTGCCCCGAGTGCACCGGTTGGAGGGCTGGCCGCTGGGTGGGACCCTGCTTC
CCCAGCTGAGGCGGGGGTCCCCGGGGAGGGGGCCGCCAGCCGACGCCCGCCACC
CGAGCCCCGACTCGTCGTTTACGCGATAGCTCAGGTTCCCTCACCCACCGGGGACCGG
CCTCCTCATCCGGCATCCCCACCACCGTGTGCTGCCACGGTCCACAGCGACCCAGGC
ATCACACCTCCAGTGACACTGCTGACTTCAGGGACCTTATAACAAAGTGCTTGAGGAA
GAAGCTGCTTCTGTTTCTCTGCAGATACAGGGCTCTGCTCTGAAGCCTGCCTTTCGCG
CTAGCCCGCTGCCCTTCCCCAAGTTGCTACGTGCCCGGTGAGCCGAGAAACGGCGCCCT
GTGCCACCTTCAAAAAGTTCCCTGCCCCTCGGGCCCTGCACCTGCCACTCCCTGGGG
GACCTAAAGGGCAGTGGCCAGGTGGGGCCTGGTCACTCGTTTCTCCAGATATCCAGG
AAAGCCCCAGACCCAGTGGGACTGGAGCTCATGGACATAAGCAGGTGCCCGGAGCCTG
TGGGGCCGGCCTGGCCGAGAGAGCCTCCACCTTCGAGCTGCGGAGATCTGAGCTTAGC
TCTTCCCTGCGGGCTCTCTGTCTGCCCAGGCTGGAGCGTGGTACCCGCCCCACAGC
CTCAGCCTCAACGGGGGAGCCGGGAGACTGGGCTCTGA
    
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Clone variation with respect to NM_198264.1

5' Read Nucleotide Sequence: >OriGene 5' read for NM_198264 unedited

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CCCAATCCCCCGCCGTTGACGCAAAGGGCGGCAGGCGTGTACGGTGGGAGTCTATATA
AGCAGAGCTCATTAGGTGACACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCC
GCGAATTCGGCACGAGGGACGCCCTGAGGGCACACCGACCGCCCTCTAGAGTACCCCCA
CGCCGACCCCTCCCTCTTCTAGACTTAGTTCATCCTTCCCGCTTTTACCCTCCCCA
CCCCTCCCTGGGCTCCAGGCCGCGCCCTCCTCACTCCTGGACCGCCCTTCTCGGTG
CCCCTCTCCCTAGGAGATGCGATGAGCCGGTGCCTCCGCTCCTCATCGTCGCCCCGG
GCACGGTGCCCGTCCAGTGCCCGTGGTGGGGAGGGAGCACTCCGCGGTCCCTCCGTGACG
CCCCTCGTTGGCCCCCCCCACAGCTGGCGTCCCTCGGCCATGCCACAGGGGACCCAGCC
AGGGGGTGGGCTCTAGAGCGAGTGGGGTGGAGAGGAGAAAGGACGNGCCTTGGGCGCT
CTGAGATGCTCCCAAGTGCCAGGGAGGGCCGAGCGAGGCGCAGGCAACCGGGCAGCAGGC
ATGATGCCCTCGCCTAGTGACTCCAGCCCTCGCTGACCAGCCGCCAGCACCAGGGGC
TTACCCACCTCCGCCTCCACCGACCCTGAATGCAGGCCCTGCTTACGCTNNGGGCTGCA
TCCAAGTGCTCCCTGGCATCCTTGGCGGGTACCTATCAGCATGGTGGGCTCTTACGCC
ACCACCACCGAGAGCCCCAAGAGCCCCTGCCCGCATGGGCCGGATTCTCACCTGCCG
ATTCCCCGGCGGGGCCGGACTCCGGAGACATAGCCCGCGGAAATAACACCCCTGCCCC
ACCCTTCCCCGTCATCCCGCCCTACCGCACAGACATCCAA
    
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Restriction Sites:	ECoRI-NOT
ACCN:	NM_198264
Insert Size:	3000 bp
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:	<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_198264.1 , NP_937995.1
RefSeq Size:	2921 bp
RefSeq ORF:	1719 bp
Locus ID:	10712
UniProt ID:	P81408
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>