

Product datasheet for **RC234654**

C1orf2 (FAM189B) (NM_001267608) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf2 (FAM189B) (NM_001267608) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1orf2
Synonyms:	C1orf2; COTE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234654 representing NM_001267608
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGCCCTCGCTAGTGACTCCAGCCGCTCGTGACCAGCCGCCCAGCACCAGGGCCCTTACCACC
 TCCGCCTCCACCGACCCTGGCTGCAGGCCCTGCTTACGCTGGGGCTGGTCCAAGTCTCCTGGGCATCCT
 GGTGGTACCTTCAGCATGGTGGCTCTCCGTCACCACCACCGAGAGCATCAAGAGTCTCGCCGCTCT
 TGGGCTGGTTCTCGATCTCCTTCTCTCTTGGTTCGTTGCTGTGTGTCATGCTTAGCATGGCTGGCT
 CTGTTCTCTCCTGAAGAATGCTCAACTGGCCGAGACTTCCAACAGTGTCTCTGGAAGGAAAGTCTG
 TGTGTGCTGTCCCTCTGTCCCTCCTCCGGCCCTGTCCAGAGTCGGGGCAGGAAGTAAAGTTGCCCT
 AACTCCACCTGTGATGAAGCCCAGGGGCCCTCAAGAACCTGCTTTCAGCGTCTGTGGGCTCACCATT
 GTGCCGTATAATCTGTACTCTCTGCTATTGTCTGTCATCAAATCTTCTCCCTGGACCTCGTGCA
 TACGCAGCTGGCCCTGAGCGGTGAGTCTCAGGCCACTGGGACCTCTGGGCTGCAGTCCCGCCCCCA
 GCCCTCTCTACACACCATGCTGGACCTGGAGGAATTTGTCGCCCTGTGCCCCACCGCCCTACTATC
 CCCCAGAGTATACCTGCAGCTCAGAAACAGATGCACAGAGCATCACGTACAATGGCTCCATGGACAGCC
 AGTGCCCTTGTACCCTACCGATTGCCCCCTTCTTATGAGGCAGTCATGGGACTACGAGGAGACAGCCAG
 GCCACTCTTTGACCCTCAGCTTACGATGGCTCGTGCATCTGTGAACGAGTGGCTCCATTGTAGACG
 TGTCCATGGACAGCGGTCTCTGGTGTGTGAGCCATTGGTGACCTCCCTGGGGCTCTAGCCCGTCGGA
 GGACTCGTGCCTGCTGGAGTGCAGGGCTCCGTGCGCTCCGTGGACTACGTTCTTTTCTCCATCCAG
 CGCAGCCGTGCCGGCTACTGCCTCAGCCTGGACTGTGGCTGCGGGGCCCTTCGAGGAAAGCCCCCTGC
 CACGGCGCCCCACGGGCTGCCGCTCCTATTCTGCTCTGCCCTGAAGCTCCACCCCACTGGGTGC
 CCCCACAGCTGCCCGCAGCTGCCACCGTTGGAGGGCTGGCCGCCCTGGGTGGGACCCTGCTTCCCGAG
 CTGAGGCGGGGGTCCCCGGGGAGGGGCCGCCAGCCGACGCCCGCCACCCGAGCCCCGACTCGTC
 GCTTACGCGATAGCTCAGGTTCCCTCACCCACCGGGGACCGGCCTCCTCATCCGGCATCCCCACCACC
 GCTGCTGCTGCCACGGTCCCACAGCAGCCAGGCATCACGACCTCCAGTGACTGCTGACTTACAGGGAC
 CTTTATACCAAAGTCTTGAGGAAGAAGTCTTCTGTTTCTCTGCAGATACAGGGCTCTGCTCTGAAG
 CCTGCCTCTTCCGCTAGCCCGTGCCTTCCCCAAGTTGCTACGTGCCCGGTGAGCCGAGAAACGGCG
 CCCTGTGCCACCTTCAAAAAGTTCCTGCCCTCGGGCCTGCACCTGCCACTCCCTGGGGACCTA
 AAGGGCAGCTGGCCAGGTCCGGGCTGGTCACTGTTTCTCCAGATATCCAGGAAAGCCCCAGACCCCA
 GTGGGACTGGAGCTCATGGACATAAGCAGGTGCCCGGAGCCTGTGGGGCCGGCCTGGCCGAGAGAGCCT
 CCACCTTCGACAGTGGGAGATCTGAGCTTAGCTTCTCCTGCGGGCTCTCCTGTCTGGCCGAGGCTG
 GAGCGTGGTACCGCCCCACAGCCTCAGCCTCAACGGGGCAGCCGGGAGACTGGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234654 representing NM_001267608
Red=Cloning site Green=Tags(s)

MMPSPDSSRSLTSRPSTRGLTHLRLHRPWLQALLTLGLVQVLLGILVVTFSMVASSVTTTESIKRSCPS
WAGFSISFFSLLSVLCVMLSMAGSVLSCKNAQLARDFQQCSLEGVKVCVCCPSVPLLRPCPESGQELKVAP
NSTCDEARGALKNLLFSVCGLTICAAIICTLSAIVCCIQIFSLDLVHTQLAPERSVSGPLGPGCTSPPP
APLLHTMLDLEEFVPPVPPPPYYPPEYTCSETDAQSITYNGSMDSPVPLYPTDCPPSYEAVMGLRGDSQ
ATLFDPQLHDGSCICERVASIVDVMSDSSLVLSAIGDLPGGSSPSEDSCLLELQGSVRSVDYVLFRSIQ
RSRAGYCLSLDCGLRGPFEESPLPRRPPRAARSYSCSAPEAPPPLGAPTAAARSCHLEGWPPWVGPCFPE
LRRRVPRGGGRPAAAPPTRAPTRRFSDSSGSLTPPGHRPPHPASPPPLLLPRSHSDPGITTSSDTADFRD
LYTKVLEEEAASVSSADTGLCSEACFLRLARCPSPKLLRARSAEKRRPVPTFQKVPLPSGPAPAHSLGDL
KGSWPGRGLVTRFLQISRKAPDPSGTGAHGKQVPRSLWGRPGRESLHLRSCGDLSSSSLRLLSGRRL
ERGTRPHSLSLNGGSRETGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001267608

ORF Size: 1950 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_001267608.2](#)

RefSeq Size: 3154 bp

RefSeq ORF: 1953 bp

Locus ID: 10712

UniProt ID: [P81408](#)

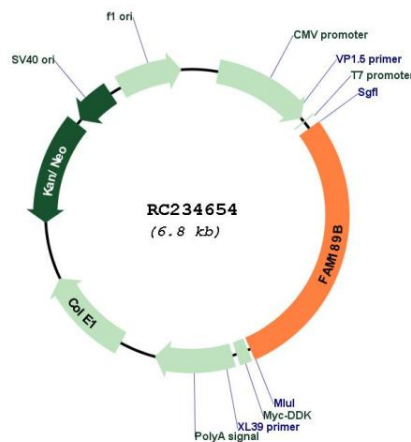
Cytogenetics: 1q22

Protein Families: Transmembrane

MW: 69.9 kDa

Gene Summary: 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]

Product images:



Circular map for RC234654