

Product datasheet for **MR209300**

Cel (NM_009885) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cel (NM_009885) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cel
Synonyms:	1810036E18Rik; BAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209300 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGCCTGGAGTTCTATTTCTTGGCCTCACCTGCTGCTTGGCAGCGGCTTGTGCTGCAAAGTTGG
 GGGCTGTGTACACAGAAGGCGGTTTCGTGGAGGGCGTCAACAAGAAGCTCAGTCTCTTGGGTGGTACTC
 GTTTGACATCTTCAAGGGTATCCCTTTGCCACTGCCAAGACCTTGGAGAATCCTCAGCGTCACCCTGGC
 TGGCAAGGGACGCTGAAGGCTACAACTTCAAGAAACGATGCCTACAGGCCACCATCACCCAGGACAACA
 CCTATGGCAAGAAGACTGCCTTACCTCAATATCTGGGTGCCCCAGGGCAGGAAGCAGGTGTCCCAACA
 CCTGCCTGTGATGGTCTGGATCTATGGAGTGCCTTCTCATGGGATCTGGCCAAGGGGCCAATTTTCTC
 AAAAATACCTGTATGACGGGGAGGAGATCGCCACTCGGGCAACGTATTGTGGTCACCTTCAACTACC
 GTGTTGGACCCTTGGGTTTCTTAGCACCGGGGATGCTAACCTTCCAGGTAACCTTGGTCTTCGAGATCA
 GCACATGGCTATCGCCTGGGTGAAGAGGAACATTGCAGCCTTTGGGGGGACCCTGATAACATCACCATC
 TTTGGGAATCTGCTGGAGCTGCCAGTGTCTCCCTGCAGACCCTCTCCCCATAACAAGGGTCTCATCC
 GGAGAGCCATCAGTCAGAGTGGTATGGCACTGAGCCCCTGGGCCATCCAGAAGAACCACCTTTTCTGGGC
 CAAAACGATTGCTAAGAAGGTAGGATGCCCCACAGAGGATACTGGCAAGATGGTGCCTGTCTGAAGATC
 ACAGATCCCCGGGCTTGACACTGGCCTACAAGTTGCCCGTAAAAAGCAGGAGTACCCTGTTGTGCACT
 ACCTGGCCTTTCATCCCTGTCATCGATGGTGACTTCATTCGATGATCCCATCAACCTATAACAACAC
 TGCTGACATTGACTACATAGCGGGCATTAAACAATGGACGGCCACCTATTTGCTACCATTGATGTGCC
 GCTGTGACAAGACCAAGCAGACTGTACCGAGGAGGACTTCTACAGGCTAGTCAGTGGACACACTGTGCG
 CCAAGGGGCTGAAGGGGGCCCAAGCCACCTTTGACATCTACACTGAGTCTGGGCCACGAGGATGGCG
 GGAGAACATGAAGAAGACAATGGTGGCCTTTGAGACTGACGTACTCTTCTGATCCCCACGGAGATGGCG
 CTGGCCAGCACAAAGCCCATGCCAAGAGCGCCAAGACCTATTCTTACCTGTTTTCCACCCCTTACGGA
 TGCCATCTACCCCAAATGGATGGGGGAGACCATGCTGATGACCTCCAGTACGCTTTTGGAAAGCCTTT
 TGCCACCCACTGGGCTACCGGCCCAAGATAGGGCTGTCTCCAAGGCCATGATCGCCTATTGGACCAAC
 TTTGCCAGGAGTGGGACCCCAACATGGGCAACTCACCTGTGCCACACACTGGTACCCTTATACCTTGG
 AGAATGGCAACTACCTGGACATCACTAAGACGATAACCAGCGCTCCATGAAGGAGCACCTGAGAGAAAA
 GTTCTGAAGTTCTGGGCTGTGACATTCGAGGTGCTGCCACAGTACTGGTACCAGGACACCCTCACT
 CCCCTGAGGATGACTCAGAGGTTGCCCTGACCCACCTTCAAGAGACTCCAGGTTGTTCTGTCCAC
 CTACAGATGACTCTGTGGAGGCTCAGATGCCTGCCACCATTGGCTTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209300 protein sequence
 Red=Cloning site Green=Tags(s)

MGRLEVLFLGLTCLLAACAANKLGA VYTEGGFVEGVNKKLSLLGGDSVDIFKGIPFATAKLTENPQRHPG
 WQGT LKATNFKRCLQATITQDNTYQGEDCLYLNIVWPQGRKQVSHNLPVMVWIYGGAF LMGSGQGANFL
 KNYLYDGEEIATRGNVIVVTFNYRVGPLGFLSTGDANLPGNFGLRDQHMAIAWVKRNIAAFGGDPDNITI
 FGESAGAA SVSLQTLSPYNKGLIRRAISQSGMALSPWAIQKNPLFWAKTIAKKVGCPTEDTGKMAACKLI
 TDPRALTLAYKLPVKKQEYPPVHYLAFIPVIDGDFIPDDPINLYNNTADIDYIAGINMMDGHLFATIDVP
 AVDKTKQTVTEEDFYRLVSGHTVAKGLKGAQATFDIYTESWAQDPSQENMKKTMVAFETDVLFLIPTEMA
 LAQHKAHAKSAKTYSYLF SHPSRMP IYPKWMGADHADDLQYVFGKPFATPLGYRPQDRAVSKAMIA YWTN
 FARSGDPNMGNSPVPTHWYPYTL ENGNLYDITKITITSASMKEHLREKFLKFWAVTFEVLPTVTGDQDTL
 PPEDDSEVAPDPPSDDSQVVPVPTDSDSVEAQM PATIGF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_009885

ORF Size: 1800 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_009885.1](#), [NM_009885.2](#), [NP_034015.1](#)

RefSeq Size: 2046 bp

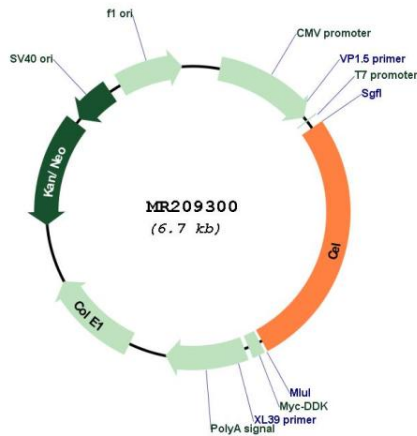
RefSeq ORF: 1800 bp

Locus ID: 12613

UniProt ID: [Q64285](#)

Cytogenetics: 2 19.38 cM
MW: 65.9 kDa
Gene Summary: Catalyzes fat and vitamin absorption. Acts in concert with pancreatic lipase and colipase for the complete digestion of dietary triglycerides (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209300