

Product datasheet for **MG209300**

Cel (NM_009885) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cel (NM_009885) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cel
Synonyms:	1810036E18Rik; BAL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209300 representing NM_009885
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCGCCTGGAGTTCTATTTCTTGGCCTCACCTGCTGCTTGGCAGCGGCTTGTGCTGCAAAGTTGG
 GGGCTGTGTACACAGAAGGCGGTTTCGTGGAGGGCGTCAACAAGAAGCTCAGTCTCTTGGGTGGTACTC
 TGTTGACATCTTCAAGGGTATCCCTTTGCCACTGCCAAGACCTTGAGAAATCCTCAGCGTCACCCTGGC
 TGGCAAGGGACGCTGAAGGCTACAACTTCAAGAAACGATGCCTACAGGCCACCATCACCCAGGACAACA
 CCTATGGCAAGAAGACTGCCTTACCTCAATATCTGGGTGCCCCAGGGCAGGAAGCAGGTGTCCCAACA
 CCTGCCTGTGATGGTCTGGATCTATGGAGGTGCCTTCTCATGGGATCTGGCCAAGGGGCCAATTTTCTC
 AAAAATACCTGTATGACGGGGAGGAGATCGCCACTCGGGCAACGTATTGTGGTCACCTTCAACTACC
 GTGTTGGACCCTTGGGTTTCTTAGCACCGGGGATGCTAACCTTCCAGGTAACCTTGGTCTTCGAGATCA
 GCACATGGCTATCGCCTGGGTGAAGAGGAACATTGCAGCCTTTGGGGGGACCCTGATAACATCACCATC
 TTTGGGAATCTGCTGGAGCTGCCAGTGTCTCCCTGCAGACCCTCTCCCATACAACAAGGGTCTCATCC
 GGAGAGCCATCAGTCAGAGTGGTATGGCACTGAGCCCCTGGGCCATCCAGAAGAACCACCTTTTCTGGGC
 CAAAACGATTGCTAAGAAGGTAGGATGCCCCACAGAGGATACTGGCAAGATGGTGCCTGTCTGAAGATC
 ACAGATCCCCGGGCTTGACACTGGCCTACAAGTTGCCGTGAAAAAGCAGGAGTACCCTGTTGTGCACT
 ACCTGGCCTTCACTCCCTGTCATCGATGGTGACTTCATTCGATGATCCCATCAACCTATAACAACAC
 TGCTGACATTGACTACATAGCGGGCATTAAACAATGGACGGCCACCTATTTGCTACCATTGATGTGCC
 CCTGTGACAAGACCAAGCAGACTGTACCCGAGGAGACTTCTACAGGCTAGTCAGTGGACACACTGTCCG
 CCAAGGGGCTGAAGGGGGCCCAAGCCACCTTTGACATCTACACTGAGTCTGGGCCACGAGATGCCA
 GGAGAACATGAAGAAGACAATGGTGGCCTTTGAGACTGACGTACTCTTCCTGATCCCCACGGAGATGGCG
 CTGGCCACGACAAAGCCCATGCCAAGAGCGCCAAGACCTATTCTTACCTGTTTTCCACCCCTTACGGGA
 TGCCATCTACCCCAAATGGATGGGGGACAGACCATGCTGATGACCTCCAGTACGCTTTTGGAAAGCCTTT
 TGCCACCCCACTGGGCTACCGGCCCAAGATAGGGCTGTCTCCAAGGCCATGATCGCCTATTGGACCAAC
 TTTGCCAGGAGTGGGACCCCAACATGGGCAACTCACCTGTGCCACACACTGGTACCCTTATACCTTGG
 AGAATGGCAACTACCTGGACATCACTAAGACGATAACCAGCGCTTCCATGAAGGAGCACCTGAGAGAAAA
 GTTCTGAAGTTCTGGGCTGTGACATTCGAGGTGCTGCCACAGTACTGGTACCAGGACACCCTCACT
 CCCCTGAGGATGACTCAGAGGTTGCCCTGACCCACCTTCAAGAGACTCCAGGTTGTTCTGTCCCAC
 CTACAGATGACTCTGTGGAGGCTCAGATGCCTGCCACCATTGGCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209300 representing NM_009885
 Red=Cloning site Green=Tags(s)

MGRLEVLFLGLTCLLAACAANKLGA VYTEGGFVEGVNKKLSLLGGDSVDIFKGI PFATAKTLENPQRHPG
 WQGT LKATNFKKRCLQATITQDNTYQGEDCLYLNIVWPQGRKQVSHNLPVMVWIYGGAF LMGSGQGANFL
 KNYLYDGEEIATRGNVIVTFNYRVGPLGFLSTGDANLPGNFGLRDQHMAIAWVKRNIAAFGGDPDNITI
 FGESAGAASVSLQTLSPYNKGLIRRAISQSGMALSPWAIQKNPLFWAKTIAKKVGCPTEDTGMAACLKI
 TDPRALTLAYKLPVKKQEYPPVHYLAFIPVIDGDFIPDDPINLYNNTADIDYIAGINMMDGHLFATIDVP
 AVDKTKQTVTEEDFYRLVSGHTVAKGLKGAQATFDIYTESWAQDPSQENMKKTMVAFETDVLFLIPTEMA
 LAQHKAHAKSAKTYSYLF SHPSRMP IYPKWMGADHADDLQYVFGKPFATPLGYRPQDRAVSKAMIA YWTN
 FARSGDPNMGNSPVPTHWYPYTLENGNYLDITKITITSASMKHEHLREKFLKF WAVTFEVLPTVTGDQDTL
 PPEDDSEVAPDPPSDDSQVVPVPTDSDVEAQPATIGF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_009885.1 , NP_034015.1
RefSeq Size:	2046 bp
RefSeq ORF:	1800 bp
Locus ID:	12613
UniProt ID:	Q64285
Cytogenetics:	2 19.38 cM
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]