

Product datasheet for **MG214268**

Ceacam18 (NM_028236) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam18 (NM_028236) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ceacam18
Synonyms:	2010110O04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214268 representing NM_028236 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGACTTTTCTAGGCCTAGCTTTAGCCCTGGAGGTGGCTCACCCCTGTGGCCAGTTTGTGACCTGTG
GGATCTGCCAGGCTTCTGGTCAGATCTTCATCAGCCAGACTCACTCTTAGGAGTGGAGAAGTACCGGAC
CATCCTGACCTTAGAAAATGTCCAGAAGATGTCCTGGAGTACAGCTGGTATCGGGCAAGGACAACAGT
ACAGAAAACATGATTTTTCAGCTATAAACCTCCCAATACCCGACACCCCTGGACCCTCGTACAGTGGACGTG
AGAATGTGACCCGTGCAGGTAGCCTGGTGGTGGAGATGTCGGCGGTAATGACACAGGCTACTATACTGT
TGAAGTGGACACTAGCAACGAGACCCAAAGAGCAACTGGCTGGCTCCAGATCGTAAAGTTGAGAAGCAAT
CCAGGCATCTCAGCCAATACCAAGTGCCTGGTGGAGGGCATGGATTCTGTGGTTGCCAAATGTCTTACCA
ACTCCTCGAACATCAGTTGGTATGTGAATTTGTACCAACCTCAGGCAGTAACCGCATGACGATTTCCCG
GGATGGCAAGACTCTGATCATCCACAGAGTCAGTCGTTATGACCACACTTTCAGTGTGCCATAGAAGAT
GTGCCAGAAAATACTCCAGAAAAGTGAGCTGATTCAATTGACTGTGGCCTATGGTCCAGACTATGTGTAC
TGTGGACCCAGCCCTATTTCTTTGCTGGTGTGCTGACTGCTGATATTGGTCCAGTGTGCAGCTGGAATG
TAACTGTTTCTCCAAGCCGGAGCCAGGTACCCTGGATCCATAACGGCTCCTTCCCTAAGCATCCCAGAG
AATAACATGACCCCTCCCAAGTCTCTCTGGGAGCAGATGGCAGTTACCGGTGTGTGGAGAATCCGG
AGACCCAGCTGACCTTCTACAGAGATGTACCATCCAGCCACTCGGCCACCACTGCCTACTGTGAACAG
AGAGCTCTACATCCCAGGACCCCTGGTGTATTTCTCATCCTATTGACATCCCTGGGAGGTGCCTTTGTG
TGTGAGTCTGGTCTACAGCCTGTTCCAATCCTGCTCCAGAGGAAAACTTGTGATAAGTGTCCATGGC
AGACCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG214268 representing NM_028236
 Red=Cloning site Green=Tags(s)

MDFSRRPSPWRWLTIVASLLTCGICQASGQIFISPDLLGVEKYRITLTLENVPEDVLEYSWYRGKDNS
 TENMIFSYKPPNTRHPGPSYSGRENVTRAGSLVVRMSAVNDTGYTVEVDTSNETQRATGWLQIVKLRSN
 PGIANTSALVEGMDSVAKCLTNSSNISWYVNFVPTSGSNRMTISPDGKTLIIHRVSRDYDHTLQCAIED
 VPEILQKSELIQLTVAYGPDYVSLWTQPYFFAGVLTADIGSSVQLECNCFSKPEPRYHWHNGSFLSIPE
 NNMTLPSSLWEQMGSYRCVVENPETQLTFYRDVTIQPPRPPLPTVNRELYIPGPLVIFLILLTSLGGAFV
 CRVLVYSLFQSCSRGKTCHKCPWQTN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028236

ORF Size: 1128 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_028236.1](#), [NP_082512.1](#)

RefSeq Size: 1952 bp

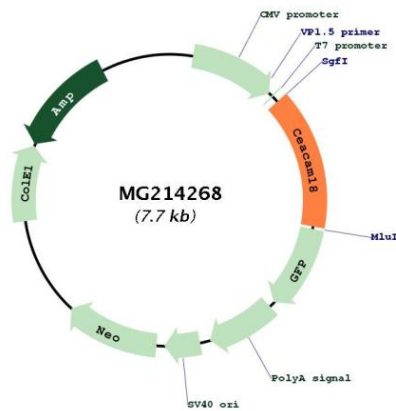
RefSeq ORF: 1131 bp

Locus ID: 72431

UniProt ID: [Q9D871](#)

Cytogenetics: 7 B3

Product images:



Circular map for MG214268