

Product datasheet for MR214268

Ceacam18 (NM_028236) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ceacam18 (NM_028236) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ceacam18
Synonyms:	2010110O04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214268 representing NM_028236 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACTTTTCTAGGCCTAGCTTTAGCCCTGGAGGTGGCTCACCCCTGTGGCCAGTTTGTGACCTGTG
GGATCTGCCAGGCTTCTGGTCAGATCTTCATCAGCCAGACTCACTCTTAGGAGTGGAGAAGTACCGGAC
CATCCTGACCTTAGAAAATGTCCAGAAGATGTCCTGGAGTACAGCTGGTATCGGGGCAAGGACAACAGT
ACAGAAAACATGATTTTTCAGCTATAAACCTCCCAATACCCGACACCTGGACCCTCGTACAGTGGACGTG
AGAATGTGACCCGTGCAGGTAGCCTGGTGGTGGAGGATGTCGGCGGTAATGACACAGGCTACTATACTGT
TGAAGTGGACACTAGCAACGAGACCCAAAGAGCAACTGGCTGGCTCCAGATCGTAAAGTTGAGAAGCAAT
CCAGGCATCTCAGCCAATACCAAGTGCCTGGTGGAGGGCATGGATTCTGTGGTTGCCAAATGTCTTACCA
ACTCCTCGAACATCAGTTGGTATGTGAATTTGTACCAACCTCAGGCAGTAACCGCATGACGATTTCCCC
GGATGGCAAGACTCTGATCATCCACAGAGTCAGTCGTTATGACCACACTTTCAGTGTGCCATAGAAGAT
GTGCCAGAAAATACTCCAGAAAAGTGAGCTGATTCAATTGACTGTGGCCTATGGTCCAGACTATGTGTAC
TGTGGACCCAGCCCTATTTCTTTGCTGGTGTGCTGACTGCTGATATTGGTCCAGTGTGCAGCTGGAATG
TAACTGTTTCTCCAAGCCGGAGCCAGGTACCAGTGGATCCATAACGGCTCCTTCTAAGCATCCCAGAG
AATAACATGACCCTCCCCAGTCTCTCTGGGAGCAGATGGCAGTTACCGGTGTGTGGAGAATCCGG
AGACCCAGCTGACCTTCTACAGAGATGTACCATCCAGCCACTCGGCCACCACTGCCTACTGTGAACAG
AGAGCTCTACATCCCAGGACCCCTGGTGTATTTCTCATCCTATTGACATCCCTGGGAGGTGCCTTTGTG
TGTGAGTCTGGTCTACAGCCTGTTCCAATCCTGCTCCAGAGGAAAACTTGTGCATAAGTGTCCATGGC
AGACCAAC

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214268 representing NM_028236
Red=Cloning site Green=Tags(s)

MDFS RPSFSPWRWLT L VASLLTCGICQASGQIFISPDSLLGVEKYRTILTLENPEDVLEYSWYRGKDNS
 TENMIFSYKPNTRHPGPSYSGRENVTRAGSLVVRMSAVNDTGYYTVEVDTSNETQRATGWLQIVKLRSN
 PGISANTSALVEGMDSVAKCLTNSSNISWYVNFVPTSGSNRMTISPDGKTLIIHRVSRYDHTLQCAIED
 VPEILQKSELIQLTVAYGPDYVSLWTPQYFFAGVLTADIGSSVQLECNCFSKPEPRYHWHNGSFLSIPE
 NNMTLP LSLSWEQMGSYRCVVENPETQLTFYRDVTIQPPRPPLPTVNRELYIPGPLVIFLILLTSLGGAFV
 CRVLVYSLFQSCSRGKTCHKCPWQTN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9079_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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

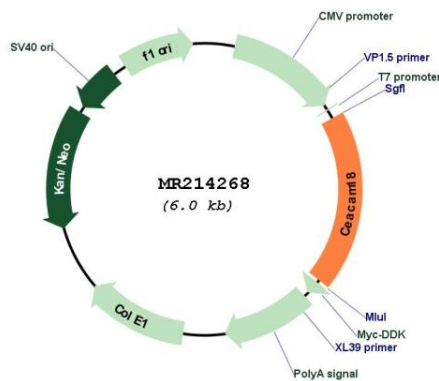
Locus ID: 72431

UniProt ID: [Q9D871](#)

Cytogenetics: 7 B3

MW: 42.2 kDa

Product images:



Circular map for MR214268