

Product datasheet for **MG216340**

Cercam (NM_207298) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Cercam
Synonyms:	2600006K01Rik; AL024097; Cœecam1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >MG216340 representing NM_207298
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCACGTTGCGCGGCTCTACCTCTGCTGCTCCTGTTGGGGCAGCAGCTCCGGGCTGCCAGTGTACAG
 AGCCGACGCTACCCACCGTGGTCTTGCCATCCTGGCCCGCAATGCTGAACACTCTCTGCCCCACTACCT
 GGGTGCCTGGAGCGCTGGACTACCCCGGGCCAGGCTGGCCCTCTGGTGTGCCACAGATCACAAATG
 GACAACACCACAGGGATGCTCCGGGAATGGCTGGCTGCTGTGGGTGGGACTATGCGACTGTCTGTGGA
 AGCCTGAGGAGGAGCCAGGCTCTACCCAGATGAACAGGGTCCCAAGCACTGGACCAAGAAGCCGATCA
 GTTTTGTGATGGAGCTGAGGCAGGAAGCACTGGCCTTTGCCAGGGACTGGGAGCTGACTACATCCTGTT
 GCAGATACAGACAATTCTTACTAACAACCAGACACTGAAGCTTCTCATAGATCGGCAGCTGCCGGTGG
 TGGCCCGATGCTGGACTCTCAGACCTATTATTCCAACCTTTGGTGTGGGATCACTCCACAGGGCTACTA
 TCGCCGCACGGCTGAATACTTCCCTACTAAGAACCAGCCAGCCAGGGCTGCTTCCGGTCCCTATGGTC
 CACTCTACCTTCTGCTGCTCCTTGCAGACTGAGGAAACAGCCCGGTTGCCTTCTACCCTCCATCCCCA
 ACTACAGTTGGCCTTTTGTGATGACATCATTGCTTTGCCTATGCCTGCCAGGCTGCTGGGGTCTCGATGCA
 TGTGTGCAATGACCATCGTTACGGGTACATGAATGTGGTAGTGAAGCCCCACCAGAGCTGGAGGAAGAG
 AAGACGAACCTTATCCACCTCATTGGAAGCACTAGTGGATGGGCCCCATGCTGGCCTCAGCTCATG
 TATCTCGGCCCCCAAGAAGCTCAGCAAAAATGGGGTTTGTGATGAAGTCTTTGTCATCAGCCTGGCCCGCAG
 ACCCCAGCGCCGGGCTCGAATGCTGAGCTCTCTGAGGATGGAGATATCTGCCAGGTGGTAGATGCT
 GTAGATGGCAGGACTCAACAGCAGTATCCTCAACATCTCGGTGTGGACCTGCTCCCTGGCTACCAAG
 ACCCTATTAGGCCACACACTGACCAAGGGTGGGTGGGCTGCTTCTCAGCCACTACTCCATCTGGGA
 AGAGGTGGTTGCCAGGGCCTGGCCCGGTCGTGGTGTGAGGATGACGTACGCTTCAAGGACAACCTC
 CGGAGGCGGCTAGAACGGCTGATGGAGGACGTGCTGATTGAGAAGCTGTCATGGGACTTGTCTACCTTG
 GCCGGAAGCAGGTGAACCTGAGGAGGAAGTGGCTGTGGAGGGGCTGCCTGGTCTCGTGGTGGCCGGGTA
 TTCCTACTGGACACTTGCCTACACCTTGCCTGGCAGGCGCTCGCAAAGTGTAGCATCCAGCCCTG
 CATCGCATGCTACCTGTGGATGAATTCCTGCCTGTCATGTTGATCGCCACCCAAATGACCAGTACAAAG
 CATACTTCTGGCCTCGGACCTCCAAGCCTTCTCAGCTAGGCCTCTGCTTGCCTCCCCACCCACTATTC
 GGGAGACGCCGAGTGGCTCAGTGACACAGAGACATCCTCCCTGGGACGATGACAGTGGTGCCTCATT
 AGCCAGACTGGCTCTCAAAGGCCCTTCGTGGCCCCACCTGCACCTGACTGGCAGCAGTGGACACAGCC
 TCCATCCTACCACAGGATGAACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216340 representing NM_207298
 Red=Cloning site Green=Tags(s)

MHVARLLPLLLLLGQQLRAASVTEPTLPTVVLAILARNAEHSPLHYLGALERLDYPRARLALWCATDHNM
 DNTTGMLREWLA AVGRDYATVWVKPEEEARSYPDEQGPKHWTKERHQFLMELRQEALAFARDWGADYILF
 ADTDNILLNNQTLKLLIDRQLPVVAPMLDSQTYYSNFWCGITPQGYRRTAEYFPTKNRQRQGCFRVPMV
 HSTFLLSLQTEETARLAFYPPHPNYSWPFDDIIVFAYACQAAGVSMHVCNDHRYGYMNVVVKPHQSLEEE
 KTNFIHLILEALVDGPPMLASAHVSRPPKKLSKMGFDEVFVIVSLARRPQRRARMLSSLWEMEISAQVVDA
 VDGRLLNSSILKHLGVDLLPGYQDPYSGHTLTKGEVGCFLSHYSIWEEVVARGLARVVVFEDDVRFKDNF
 RRRRLERLMEDVLIQKLSWDLIYLGRKQVNPREEVAVEGLPGLVVAGYSYWTLAYTSLAGARKLLASQPL
 HRMLPVDFLPMVDFDRHPNDQYKAYFWRDLQAFSARPLLASPTHYSGDAEWLSDTETSSPWDDDSGRLI
 SQTGSQKALRGPHLHLTGSSGSHLPHHRDEL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_207298

ORF Size: 1776 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).

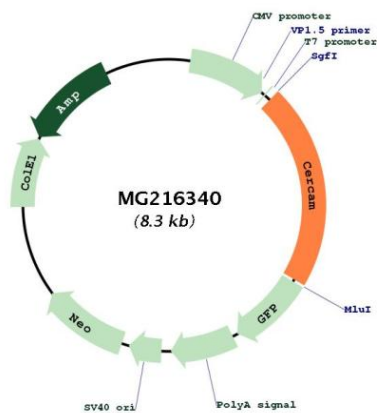
Reconstitution Method:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_207298.2](#), [NP_997181.1](#)

RefSeq Size:	2715 bp
RefSeq ORF:	1779 bp
Locus ID:	99151
UniProt ID:	A3KGW5
Cytogenetics:	2 20.76 cM
Gene Summary:	Probable cell adhesion protein involved in leukocyte transmigration across the blood-brain barrier. Does not express any beta-galactosyltransferase activity in vitro.[UniProtKB/Swiss-Prot Function]

Product images:

Circular map for MG216340