

Product datasheet for **RG229302**

CEECAM1 (CERCAM) (NM_016174) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEECAM1 (CERCAM) (NM_016174) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CEECAM1
Synonyms:	CEECAM1; GLT25D3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG229302 representing NM_016174
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGCGTGTCCCGCGCCGCGCCGCTGCTCCAGCTGCTGCTCCTGCTGGGGCCGTGGCTGGAGGCTGCGG
 GCGTTGCGGAGTCGCGCTGCCCGCTGGTCTTGCCATCCTGGCCCGCAATGCCGAACACTCGCTGCC
 CCACTACCTGGGCGCTCTGGAGCGGCTGGACTACCCCGGCCAGGATGGCCCTCTGGTGTGCCACGGAC
 CACAATGTGGACAACACCACAGAGATGCTGCAGGAGTGGCTGGCGGCTGTGGGCGATGACTATGCTGCTG
 TGGTCTGGAGGCTGAGGGCGAGCCAGGTTCTACCCAGATGAAGAGGGTCCCAAGCACTGGACCAAGA
 AAGGCACCACTTTCTGATGGAGCTGAAGCAGGAAGCCCTCACCTTGGCAGGAAGTGGGGGGCCGACTAT
 ATCCTGTTTGCAGACACAGACAACATTCTGACCAACAATCAGACTCTGCGGCTTCTCATGGGGCAGGGG
 TTCCAGTGGTGGCCCAATGCTGGACTCCAGACCTACTACTCCAATTCTGGTGTGGGATACCCCCCA
 GGGCTACTACCGCCGACAGCCGAGTACTTCCCAACAAGAACCGCCAGCGCCGGGGCTGCTTCCGTGTC
 CCCATGGTCCACTCCACCTTCTTGCATCCCTGCGGGCTGAAGGGGCAGACCAGCTTGTCTTACCCGC
 CACATCCCAACTACACTTGGCCTTTCGACGACATCATCGTCTTCGCCTATGCCTGCCAGGCTGCTGGGGT
 CTCCGTCCACGTGTGCAATGAGCACCGTTATGGGTACATGAATGTGCCGGTAAAATCCCACCAGGGGCTG
 GAAGACGAGAGGGTCAACTTCATCCACCTGATCTTAGAAGCACTAGTGGACGGCCCCCGCATGCAGGCT
 CAGCTCATGTGACTCGGCCCTCTAAGAGGCCAGCAAGATAGGGTTTGACGAGGTCTTGTGCATCAGCT
 GGCTCGCAGGCTGACCGTCGGGAACGCATGCTCGCTCGCTCTGGGAGATGGAGATCTCTGGGAGGGT
 GTGGACCGCTGTGGATGGTGGATGCTCAACAGCAGTCCCATCAGGAACCTCGGCGTAGACCTGCTCCCG
 GCTACCAGGACCTTACTCGGGCCGACTCTGACCAAGGGCGAGGTGGGCTGCTTCTCAGCCATTACT
 CATCTGGGAAGAGGTGGTTGCCAGGGCCCTGGCCCGGTCTGGTGTGAGGATGACGTGCGCTTTGAG
 AGCAACTTCAGGGGGCGCTGGAGCGGCTGATGGAGGATGTGGAGGCAGAAAAGTCTTGGGACCTGA
 TCTACCTCGGACGGAAGCAGGTGAACCCTGAGAAGGAGACGGCCGTGGAGGGGCTGCCGGGCTGGTGGT
 GGCTGGTACTCTACTGGACGCTGGCCTATGCCCTGCGTCTGGCGGGTGCCTCGAAGCTGCTGGCCTCA
 CAGCCTCTGCGCCGATGCTGCCCGTGGACGATTCTGCCCATCATGTTGACACGACCCCCAACGAGC
 AGTACAAGGCACACTTCTGGCCACGGGACCTGGTGGCCTTCTCCGCCAGCCCTGCTCGCTGCCCTAC
 CCACTATGCCGGGACCGGAGTGGCTCAGTGACACGGAGACATCTCTCCATGGGATGATGACAGCGGC
 CGCTCATCAGCTGGAGCGGCTCCAAAAGACCCTGCGCAGCCCCCGCTGGACCTGACTGCGCAGCAGC
 GGCACAGCTCCAACCCAGCCCGAGATGAGCTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG229302 representing NM_016174
 Red=Cloning site Green=Tags(s)

MRAARAAPLLQLLLLLGPWLEAAGVAESPLPAVVLAILARNAEHSLEPHYL GALERLDYPRARMALWCATD
 HNV DNTTEMLQE WLA AVGDYAAVVRPEGEPRFYPDEEGPKHWTKERHQFLMELKQEALTFARNWGADY
 ILFADTDNIL TNNQTLRLLMGQGLPVVAPMLDSQTYYSNFWCGITPQGYRRTAEYFPTKNRQRRCFRV
 PMVHSTFLASLRAEGADQLAFYPPHPNYTWPFDIIIVFAYACQAAGVSVHVCNEHRYGYMNVVVKSHQGL
 EDERVNF IHL ILEALVDGPRMQASAHVTRPSKRPSKIGFDEVFV I SLARRPDRRERMLASLWEMEISGRV
 VDAVDGWMLNSSAIRNLGVDLLPGYQDPYSGRTLTKGEVGCFLSHYSIWEEVVARGLARLVFEDDVRFE
 SNFRGRLERLMEDVEAEKLSWDLIYLGRKQVNPEKETAVEGLPGLVVAGYSYWTLAYALRLAGARKLLAS
 QPLRRMLPVDFLPIMFDQHPNEQYKAHFWRDLVAFSAQPLLAAPTHYAGDAEWLSDTETSSPWDDDSG
 RLISWSGSQKTLRSPRLDLTGSSGHS LQPQPRDEL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_016174

ORF Size: 1785 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_016174.5](#)

RefSeq Size: 2714 bp

RefSeq ORF: 1788 bp

Locus ID: 51148

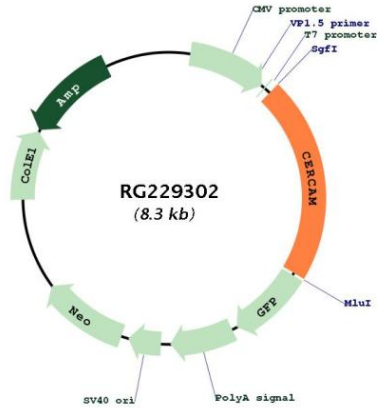
UniProt ID: [Q5T4B2](#)

Cytogenetics: 9q34.11

Domains: Glyco_transf_25

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 RG229302