

Product datasheet for **SC114406**

CEECAM1 (CERCAM) (NM_016174) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEECAM1 (CERCAM) (NM_016174) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEECAM1
Synonyms:	CEECAM1; GLT25D3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_016174, the custom clone sequence may differ by one or more nucleotides

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ATGCGCGCTGCCCGCGCCGCGCGCTGCTCCAGCTGCTGCTCCTGCTGGGGCCGTGGCTGGAGGCTGCGG
GCGTTGCGGAGTCGCGCTGCCCGCGTGGTCCCTTGCCATCCTGGCCCGCAATGCCGAACACTCGTGCC
CCACTACCTGGCGCTCTGGAGCGGCTGGACTACCCCGGGCCAGGATGGCCCTCTGGTGTGCCACGGAC
CACAATGTGGACAACACCACAGAGATGCTGCAGGAGTGGCTGGCGGCTGTGGGCGATGACTATGCTGCTG
TGGTCTGGAGGCTGAGGGCGAGCCAGGTTCTACCCAGATGAAGAGGGTCCCAAGCACTGGACCAAGA
AAGGCACCAAGTTTCTGATGGAGCTGAAGCAGGAAGCCCTCACCTTTGCCAGGAAGTGGGGGGCCGACTAT
ATCCTGTTTGAGACACAGACAACATTCTGACCAACAATCAGACTCTGCGGCTTCTCATGGGGCAGGGGC
TTCCAGTGGTGGCCCAATGCTGGACTCCAGACCTACTACTCCAATTCTGGTGTGGGATACCCCCCA
GGGCTACTACCGCCGACAGCCGAGTACTTCCCCACCAAGAACCAGCCAGCGCCGGGGCTGCTTCCGTGTC
CCCATGGTCCACTCCACCTTCTTGCATCCCTGCGGGCTGAAGGGGCAGACCAGCTTGCTTCTACCCGC
CACATCCCAACTACACTTGGCCTTTCGACGACATCATCGTCTTCGCCTATGCCTGCCAGGCTGCTGGGT
CTCCGTCCACGTGTGCAATGAGCACCGTTATGGGTACATGAATGTGCCGTGAAATCCCACCAGGGGCTG
GAAGACGAGAGGGTCAACTTCATCCACCTGATCTTAGAAGCACTAGTGGACGGCCCCCGCATGCAGGCT
CAGCTCATGTGACTCGGCCCTCTAAGAGGCCAGCAAGATAGGGTTTGACGAGGTCTTTGTATCAGCCT
GGCTCGCAGGCTGACCGTGGGAACGCATGCTCGCCTCGCTCTGGGAGATGGAGATCTCTGGGAGGGTG
GTGGAGCTGTGGATGGCTGGATGCTCAACAGCAGTGCCATCAGGAACCTCGGCGTAGACCTGCTCCCGG
GCTACCAGGACCTTACTCGGGCCGACTCTGACCAAGGGCGAGGTGGGTGCTTCTCAGCCATTACTC
CATCTGGGAAGAGGTGGTTGCCAGGGGCTGGCCCGGGTCTGGTGTGGAGGATGACGTGCGCTTTGAG
AGCAACTTCAGGGGGCGGCTGGAGCGGCTGATGGAGGATGTGGAGGCAGAGAACTGTCTTGGGACCTGA
TCTACCTCGGACGGAAGCAGGTGAACCTGAGAAGGAGACGGCCGTGGAGGGGCTGCCGGGCTGGTGGT
GGCTGGGTACTCTACTGACGCTGGCCTATGCCCTGCGTCTGGCGGGTGCCCGAAGCTGCTGGCCTCA
CAGCCTCTGCGCCGATGCTGCCCGTGGACGAGTCTGCCCATCATGTTGACACGACCCCCAACGAGC
AGTACAAGGCACACTTCTGGCCACGGGACCTGGTGGCCTTCTCCGCCAGCCCCTGCTGCTGCCCTAC
CCACTATGCCGGGACGCCGAGTGGCTCAGTGACACGGAGACATCCTCTCCATGGGATGATGACAGCGGC
CGCCTCATCAGCTGGAGCGGCTCCCAAAGACCCTGCGCAGCCCCCGCTGGACCTGACTGGCAGCAGCG
GGCACAGCCTCAACCCAGCCCCGAGATGAGCTCTAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016174 unedited

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TAATATGTAATACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGCGGAGGTTGCA
GTGAGTCGAGATCATACCACTGCACTACAGCCTGGGCGACAGAGCAAGATTCCATCTCAA
AAAAATGCATTATTCTTCTTATCTTTGTCCATGACATAAGCAGGACAGCTTAAGTTA
TAGAGGGAGGACGTGAAGCCCAGAGAAAGATGGGACTTGCCTGAGGTACACAGCAGGTC
ACAGAACTGTGGTGGGGACCTGGCTGTGCTGCCCTCCAGCCTCTCTGCTGTAGCACACCTA
CCCTTCACTGTTCCAAGGAGAGCTCGACCTCAAAGGTGTTAGTGCTTTGGGGTCAAGGCT
GCCTTGGGGTTCAATCCTGTGGCTGTGCCCCCTCAGCCTTTTTTCTTCCCGTCCCAGGT
GTGCCACGGACCACAATGTGGACAACACCACAGAGATGCTGCAGGAGTGGCTGGCGGCTG
TGGGCGATGACTATGCTGCTGTGGTCTGGAGGCCTGAGGGCGAGCCAGGTTCTACCCAG
ATGAAGAGGGTCCCAAGCACTGGACCAAGAAAGGCACCAAGTTTCTGATGGAGCTGAAGC
AGGAAGCCCTCACCTTTGCCAGGAAGTGGGGGGCCGACTATATCCTGTTTGCAGACACAG
ACAACATTCTGACCAACAATCAGACTCTCGGCTTCTCATGGGGCAGGGGCTTCCAGTGG
TGGCCCCAATGCTGGACTCCCAGACCTACTACTCCAATTCTGGTGTGGGATCACCCNCC
CAGGCTACTACCGCCGACAGNCGAGTACTTCCCCACCAAGAACCAGCCAGCGCCCGGGCT
GCTTCCGTGTCCCATGGTCCACTNACCTTTCTTGCAATCCTGCNNGCTGAAGGGGCGAG
ACCAGCTTGCTTTNTACCGGCACATCCNACTACACTTGGCCTTTCGAGACATCATCGTCT
TCGCCTTGCCTGCCAGCTG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016174 unedited <pre>GCACGCATTTTAGAGTCGAGTTTTTTTTTTTTTTTAAAGTGCAAATGGCTTTTATTG AGGGCCTACTGTGTGCTGGGCAACATGTCTGCAAGGGTCCTGCTTACCTCCCTGTA TGCACCGGCCAGGGAGGAGGGTGTCTGGGAGACCCAAACATCAAGCTGGGGGAGGGT GAGGTGGAGGTAGAAGGGGGCAGAGGGGCCCCCAGCTGAGTCCTTAGGGAGGGAAGGA TCCTGGGGTCTGCCCAGCTTGAACAGAAAGCTGGGGGCCAAGGCCCTGAATCAGGCCA GGCAGGGTACAGGGGCTGGGAGTCCTGCTCCTTTGCTGTGAGACCTTAGGGAATGGGA TCCATCTCTGAGTGGTTTCTCCCGATGAAAGACAGGTCCAGAGGGCAGAGTGGCCATGCC CAAGGTGGTGGCCAGGTCTGACAGGATCTGACAGTCCCTGCCAACACCTCCTCCTGCT CTCTGGGCAGTAGTGGCCTGCTCCTGGACACTGCTTTCAGTCATCACCTGGACCTAGAG CTCATCTCGGGGCTGGGGTTGGAGGCTGTGCCCGCTGCTGCCAGTCAGGTCCAGGCGGGG GCTGCGCAGGGTCTTTTGGGAGCCGCTCCAGCTGATGAGCGGCCGCTGTCATCATCCCA TGGAGAGGATGTCTNCGTGTCACTGAGCCACCTCGCGTCCCGCATATTGGGTAGGGGCA GCGAGCAGGTGTGGGCGGGATAAGGCCCCAGGTCCCGTGCCCAANAAGTGTGCCTTGTA CTGCTCGGTTGGGGTGTGGTCAAACATGATTGGCCAGGAACCTCCGTCCCGGGCAACAT GCGGCGCATAAGCCTGTAAAGCCATAACCTTGCGGCCACCGCCAGACCAGGGCATAGGCA CCGTCCATTTGGAGTCCCATCCCCACAGGCCCGGAGCCCTCAGGGCGTTCCTTTAAGGTT AACTGCTCCCCCAGGAAAAAAG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_016174
Insert Size:	2470 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_016174.3, NP_057258.2</u>
RefSeq Size:	2714 bp
RefSeq ORF:	1554 bp
Locus ID:	51148
UniProt ID:	<u>Q5T4B2</u>

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).