

## Product datasheet for **RG214882**

### CEACAM20 (NM\_001102598) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM20 (NM_001102598) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CEACAM20
Synonyms:	UNQ9366
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG214882 representing NM\_001102598  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGCCTGCTGACTCATGGGGACACCACTGGATGGGAATCCTGCTTTACGCTCGCTTTGTACCGTAT  
 GGAGTCCCTCCAGCTGCAGCCAGCTCACCTCAATGCCAACCCACTTGATGCCACCCAAAGTGAGGATGT  
 TGTTCGCTGTGTTTGGGACCCCCAGGACACCCAGATTCATGGCAGATCCAGAGAGCTGGCCAAACCC  
 TCCATTGCAGTCAGCCAGGCACTGCCATAGAGCAGAAGGACATGGTGACCTTCTACTGCACCACTAAGG  
 ACGTCAACATTACCATCCACTGGGTTTCCAACAACCTCTCCGTTGTGTTCCATGAGCGCATGCAGCTGTC  
 CAAGGATGGCAAGATCCTCACCATTCTCATTGTCCAGCGGGAGGACTCAGGGACTACCAATGTGAAGCT  
 CGAGATGCCCTTCTGAGCCAGAGGAGCGACCCCATCTTCTGGATGTGAAGTATGGTCTGATCCTGTTG  
 AAATCAAATTGGAGTCTGGTGTGCCAGTGGGGAGGTGGTTGAGGTGATGGAGGGCTCCAGCATGACCTT  
 CTTAGCGGAAACAAAGTCTCACCCACCTGTGCCTATACTTGGTTTCTCCTTGACTCCATTCTGTCTCAC  
 ACCACGAGAACATTACCATCCATGCTGTGTCCAGAGAACATGAGGGCCTGTACAGGTGCTTGGTGTCCA  
 ACAGTGCCACCCACCTGTCCAGCCTGGGTACTCTGAAGGTCGAGTACTTGAAACACTGACCATGCCTCA  
 AGTCGTGCCTTCAAGCCTGAACCTTGTGGAGAATGCTAGGTCTGTGGACCTGACCTGCCAAACCGTCAAT  
 CAGAGTGTGAATGTCCAGTGGTTCCTAAGTGGCCAGCCCTCCTGCCAGTGAGCACCTGCAGCTGTGAG  
 CTGACAACAGGACCCTAATCATCCATGGCCTCCAGCGGAATGACACGGGGCCCTATGCCTGTGAGGTCTG  
 GAACTGGGGCAGCCGGGCGGAGTGAGCCCTTGAAGTCAACTGTCCAGTCCCTCCTCCCTG  
 TCCTCAGGGGCCATCGTGGTATTGTATCGGGATCCTGGCTGTCATTGCTGTGGCCTCAGAAGTGGCT  
 ATTTTCTACATCAGAAATGCCAGACGGCCCTCAAGGAAAACAACAGAGGACCCAGTCATGAGACCTC  
 ACAACCCATCCCGAAGGAGGAGCACCCACAGAGCCAGTTCGAAAGCCTGAGTCTGAGTATTGCAAT  
 ATATCCAGCTTCAAGGACGGATCAGAGTCGAAGTACGCAAGCTGCCTTCAAGCAAGCCGTAGAGGCAAT  
 CTTTCAGCCCTGGAAGCCACCACCAAACCTCTGATGCCCCACTCAGATTGGTCTCCACTGTGCCAAA  
 AAACATGGAGTCAATCTATGAGGAGCTTGTGAATCCAGAGCCCAACACTTACATCCAAATCAACCCCTCC  
 GTC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG214882 representing NM\_001102598  
 Red=Cloning site Green=Tags(s)

MGPADSWGHHWGMILLASLCTVWSPAAAQLTLNANPLDATQSEDEVLPVFGTPRTPQIHGRSRELAKP  
 SIAVSPGTAIEQKDMVTFYCTTKDVTNIHWSNNLSVVFHERMQLSKDGKILITLIVQREDSGTYQCEA  
 RDALLSQRSDPIFLDVKYGPDPVEIKLESGVASGEVVEVMEGSSMTFLAETKSHPPCAYTWFLLDSILSH  
 TTRTFTIHAVSREHEGLYRCLVNSATHLSSLGLTKVRVLETLTMPQVVPSSLNLVENARSVDLTCQTVN  
 QSVNVQWFLSGQPLLPEHLQLSADNRTLIIHGLQRNDTGPYACEVWNWGSRRARSEPLELTINCPQSSSL  
 SSGAIAGIVIGILAVIAVASELYFLYIRNARRPSRKTTEDPSETSQIPKKEHPTSPSESLSPEYCN  
 ISLQGRIRVELTKLPSASRRGNSFSPWKPPKPLMPPLRLVSTVPKNMESIYEELVNPEPNTYIQINPS  
 V

**TRTRPLE - GFP Tag - V**

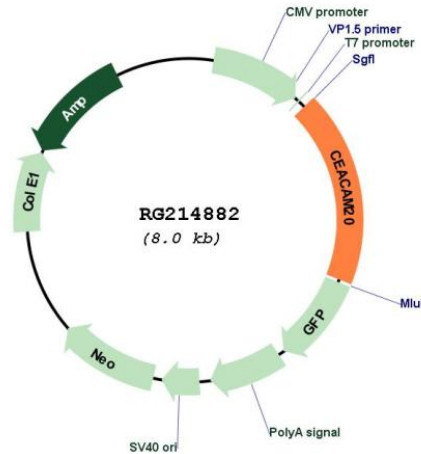
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001102598

**ORF Size:** 1473 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001102598.1</a></u> , <u><a href="#">NP_001096068.1</a></u>
<b>RefSeq Size:</b>	1494 bp
<b>RefSeq ORF:</b>	1476 bp
<b>Locus ID:</b>	125931
<b>UniProt ID:</b>	<u><a href="#">Q6UY09</a></u>
<b>Cytogenetics:</b>	19q13.31
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Together with the tyrosine-protein kinase SYK, enhances production of the cytokine CXCL8/IL-8 via the NFkB pathway and may thus have a role in the intestinal immune response. [UniProtKB/Swiss-Prot Function]