

Product datasheet for **RG211793**

CEACAM21 (NM_001098506) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEACAM21 (NM_001098506) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CEACAM21
Synonyms:	CEACAM3; R29124_1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211793 representing NM_001098506. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCCCCCTCAGCTTGTCACAGAGAATGCATCCCTGGCAGGGGCTCTTGCTCACAGCCTCA
CTTTAACTTTCTGGAACGCACCCACCACTGCCTGGCTCTTTATTGCATCAGCGCCCTTTGAAGTTGCT
GAAGGGGAGAATGTTTCATCTCTGTGGTTTATCTGCCGAGAATCTTTACAGCTATGGCTGGTACAAA
GGGAAAACGGTGGAGCCCAACCAGCTAATCGCAGCATATGTAATAGACACTCACGTTAGGACTCCAGGG
CCTGCATACAGCGGTCGAGAGACAATATCACCCAGTGGAGATCTGCATTTCCAGAAGCTCACCCCTAGAG
GACACGGGATACTACAACCTACAAGTCACATACAGAAATTCTCAGATTGAACAGGCATCTCACCATCTC
CGTGTATACGAGTCAGTGGCTCAGCCCTCCATCCAAGCCAGCAGCACCACAGTCACAGAGAAGGGCTCC
GTGGTCTGACCTGCCACACAAATAACACTGGAACCTCTTTCCAGTGGATTTTCAACAACCAAGCGTCTG
CAGGTCACGAAGAGGATGAAGCTGTCCTGGTTTAAACATGTGCTCACCATAGACCCCATCAGGCAGGAG
GACGCTGGGGAGTATCAGTGTGAGGTCTCCAACCCAGTCAGTCCAACAGGAGCGACCCCTCAAGCTG
ACTGTAATAATCAGATGACAACACTCTAGGCATCCTGATCGGGTCTGTTGGGAGTCTTCTGGTGGCT
GCACTTGTGTGTTTCTGCTCCTCCGAAAACTGGCAGGGCCAGCGATCAGAGTGACTTCAGGGAGCAG
CAGCCCCAGCCTCCACCCCGCCATGGACCTCTGACAGCTCCATCTCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG211793
 Blue=ORF Red=Cloning site Green=Tag(s)

MGPPSACPHRECIPWQGLLLTASLLTFWNAPTTAWLFIASAPFEVAEGENVHLSVVYLPENLYSYGWYK
 GKTVEPNQLIAAYVIDTHVRTPGPAYSGRETISPSGDLHFQNVLTEDTGYYNLQVTRYNSQIEQASHHL
 RYVESVAQPSIQASSTTVTEKGSVVL TCHTNNTGTSFQWIFNNQRLQVTKRMKLSWFNHVLTIDPIRQE
 DAGEYQCEVSNPVSSNRSDPLKLVKSDDNLTGLIGVLVGSLLVAALVCFLLLRKTGRASDQSDFREQ
 QPPASTPGHGPSDSSIS
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001098506

ORF Size: 879 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_001098506.4](#)

RefSeq Size: 1378 bp

RefSeq ORF: 882 bp

Locus ID: 90273

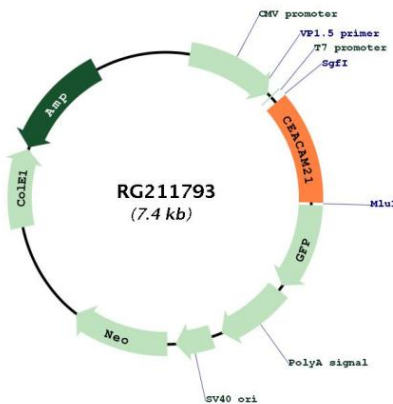
UniProt ID: [Q3KPI0](#)

Cytogenetics: 19q13.2

Protein Families: Transmembrane

MW: 32.4 kDa

Product images:



Circular map for RG211793