

Product datasheet for **RG213683**

Cell adhesion molecule 4 (CADM4) (NM_145296) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cell adhesion molecule 4 (CADM4) (NM_145296) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cell adhesion molecule 4
Synonyms:	IGSF4C; Necl-4; NECL4; synCAM4; TSLL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213683 representing NM_145296 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCGGGCCCGCGCTTCCAGTGGCCGCTGCTGCTGCTGTTGGCGGCCCGCGGGGCCAGGGCAG
GACAGGAAGTACAGACAGAGAACGTGACAGTGGCTGAGGGTGGGGTGGCTGAGATCACCTGCCGTCTGCA
CCAGTATGATGGGTCCATAGTTGTCATCCAGAACCAGCCGGCAGACCCCTTTCTTCAATGGCACCCGT
GCCTTGAAGGATGAGCGTTTCCAGCTTGGAGGTTCTCCACGCGGGTGGGATCCGGCTCTCAGATG
CCCGCCTGGAGGACGAGGGGGCTATTTCTGCCAGCTCTACACAGAAGACACCCACCACCAGATTGCCAC
GCTCACGGTACTAGTGGCCCAGAGAATCCTGTGGTGGAGGTCCGGGAGCAGGCGGTAGAGGGCGGCGAG
GTGGAGCTCAGCTGCCTCGTCCGCGGTCCCGTCCGGCTGCCACCTGCGCTGGTACCGGACCGCAAGG
AGCTGAAAGGAGTGAGCAGCAGCCAGGAAAATGGCAAGGTCTGGAGCGTGGCAAGCACAGTACGGTTTCG
TGTGGACCGTAAGGACGACGGTGGTATCATCATCTGTGAGGCGCAGAACCAGGCGCTGCCCTCCGGACAC
AGCAAGCAGACGAGTACGTGCTGGATGTGCACTACTCCCCACGGCCGGATTTCATGCCTCCAAGCTG
TGGTGAAGGAGGGAGACACGCTGGTGTGACGTGTGCTGTACGGGAACCCAGGCCAAACCAGATCCG
CTGGAACCGCGGGAATGAGTCTTTGCCGGAGAGGGCGGAGGCCGTGGGAGAGACGCTCACGCTGCCGGGT
CTGGTATCCGCGGATAACGGCACCTACACTTGCAGGCGTCCAATAAGCACGGCCATGCGAGGGCGCTCT
AGGTACTTGTGGTCTACGACCCTGGTGGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
CGGCATCTGGCGCTGCTGGTGTCTGATCATATGTGTGCTAGTGGCATGGTCTGGTGTCTGGTACGG
CAGAAGGGTTCCTATCTGACCCAGCAAGCCAGTGGCTGGATGAACAGGGAGAAGCAAGAGAAGCCTTCC
TCAATGGCAGCGACGGACACAAGAGGAAAGAGGAATTCTTCATC

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA



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Protein Sequence: >RG213683 representing NM_145296
 Red=Cloning site Green=Tags(s)

MGRARRFQWPLLLLWAAAAGPGAGQEVQNTENVVAEGGVAEITCRLHQYDGSIVVIQNPARQTLFFNGTR
 ALKDERFQLEEFSPRRVRIRLSDARLEDEGGYFCQLYTEDTHHQIATLTVLVAPENPVVEVREQAVEGGE
 VELSCLVPRSRPAATLRWYRDRKELKGVSSSQENGVKWSVASTVRFVDRKDDGGIIICEAQNALPSGH
 SKQTQYVLDVQYSPTARIHASQAVVREGDTLVLTCAVTGNPRPNQIRWNRGNESLPERAEAVGETLTLPG
 LVSADNGTYTCEASNKHGHARALVYL VVYDPGAVVEAQTSPYAI VGGILALLVFLIICVLVGMVWCSVR
 QKGSYLTHEASGLDEQGEAREAF LNSDGHKRKEEFFI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145296

ORF Size: 1164 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_145296.2](#)

RefSeq Size: 2176 bp

RefSeq ORF: 1167 bp

Locus ID: 199731

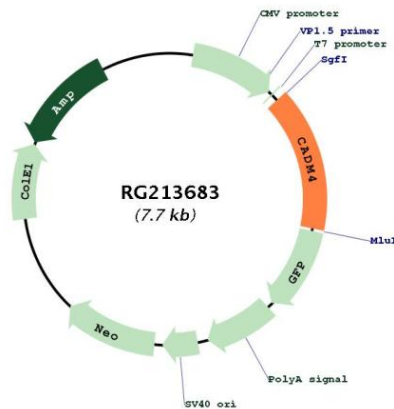
UniProt ID: [Q8NFZ8](#)

Cytogenetics: 19q13.31

Protein Families: Transmembrane

Gene Summary: Involved in the cell-cell adhesion. Has calcium- and magnesium-independent cell-cell adhesion activity. May have tumor-suppressor activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213683