

Product datasheet for RC233385

CD4 (NM_001195017) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD4 (NM_001195017) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CD4
Synonyms: CD4mut; IMD79; OKT4D
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233385 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGCAAGAAGCTCCCGCTCCACCTCACCTGCCCCAGGCCCTTGCCTCAGTATGCTGGCTCTGAAACC
 TCACCCTGGCCCTTGAAGCGAAAACAGGAAAGTGCATCAGGAAGTGAACCTGGTGGTATGAGAGCCAC
 TCAGCTCCAGAAAAATTTGACCTGTGAGGTGTGGGACCCACCTCCCCTAAGCTGATGCTGAGTTTGAAA
 CTGGAGAACAAAGGAGGCAAAGGTCTCGAAGCGGGAAGGCGGTGTGGTCTGAACCTGAGCGGGGA
 TGTGGCAGTGTCTGCTGAGTGACTCGGGACAGGTCTGCTGGAATCCAACATCAAGTTCTGCCACATG
 GTCCACCCCGGTGCAGCCAATGGCCCTGATTGTGCTGGGGGCGTCGCCGCCCTCCTGCTTTTCATTGGG
 CTAGGCATCTTCTTCTGTGTCAGGTGCCGGCACCGAAGGCGCAAGCAGAGCGGATGTCTCAGATCAAGA
 GACTCCTCAGTGAGAAGAAGACCTGCCAGTGTCTCACCAGTTTCAGAAGACATGTAGCCCCATT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233385 protein sequence
 Red=Cloning site Green=Tags(s)

MGKKLPLHLTLPQALPQYAGSGLTLALEAKTGKHLHQEVNLLVVMRATQLQKNLTCEVWGPTSPKMLSLK
 LENKEAKVSKREKAVVWLNPEAGMWQCLLSDSGQVLLSNIKVLPWSTPVQPMALIVLGGVAGLLLLFIG
 LGIFFCVRCRHRRRQAERMSQIKRLLSEKKTQCPhRFQKTCSP I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2674_f08.zip



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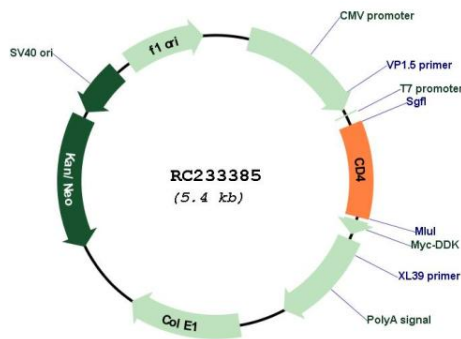
Protein Families: Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

Protein Pathways: Antigen processing and presentation, Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway

MW: 20.7 kDa

Gene Summary: This gene encodes the CD4 membrane glycoprotein of T lymphocytes. The CD4 antigen acts as a coreceptor with the T-cell receptor on the T lymphocyte to recognize antigens displayed by an antigen presenting cell in the context of class II MHC molecules. The CD4 antigen is also a primary receptor for entry of the human immunodeficiency virus through interactions with the HIV Env gp120 subunit. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, granulocytes, as well as in various regions of the brain. The protein functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in this gene. [provided by RefSeq, May 2020]

Product images:



Circular map for RC233385