

Product datasheet for **RC234529**

CD6 (NM_001254750) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD6 (NM_001254750) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD6
Synonyms:	TP120
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234529 representing NM_001254750
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGGCTCTTCTTCGGGATCACTGGATTGCTGACGGCAGCCCTCTCAGGTCATCCATCTCCAGCCCCAC
 CTGACCAGCTCAACACCAGCAGTGCAGAGAGTGCAGTCTGGGAGCCAGGGGAGCGGCTTCCGGTCCGTCT
 GACAAACGGGAGCAGCAGCTGCAGCGGGACGGTGGAGGTGCGGCTCGAGGCGTCTGGGAGCCCGGTGC
 GGGGCGCTCTGGGACAGCCGCGCCGAGGCGGTGTGCCGAGCACTGGGCTGCGGCGGGGCGGAGGCCG
 CCTCTCAGCTCGCCCCGCCGACCCTGAGCTGCCGCCCGCCTGCAGCCGGGAACACCAGCGTAGCAGC
 TAATGCCACTCTGGCCGGGGCGCCGCCCTCTGTGCAGCGCGCCGAGTGGCGGCTCTGCGAGGTGGT
 GAGCACGCTGCCGAGCAGCGGAGGCGGGCCGTGTCACTGTGCAGAGAACCAGCGGCTGCGCCTGG
 TGGACGGTGGCGCGCCTGCCCGGCGCGTGGAGATGCTGGAGCATGGCGAGTGGGGATCAGTGTGCGA
 TGACACTTGGGACCTGGAGGACGCCACGTGGTGTGCAGGCAACTGGGCTGCGGCTGGGAGTCCAGGCC
 CTGCCCGGCTTGCACTTACGCCCGGCCGCGGGCTATCCACCGGACCAGGTGAACTGCTCGGGGGCCG
 AAGCTTACCTGTGGGACTGCCCGGGGCTGCCAGGACAGCACTACTGCGGCCACAAAGAGGACGCGGGCGC
 GGTGTGCTCAGAGCACCAGTCTGGCGCCTGACAGGGGGCGTGACCGCTGCGAGGGGACAGTGGAGGTA
 CACTTCCGAGGGGTCTGGAACACAGTGTGTGACAGTGAAGTACCCATCGGAGGCCAAGGTGCTCTGCC
 AGTCTTGGGCTGTGGAAGTGGGTTGAGAGGCCCAAGGGGCTGCCCACTCCTTGTCCGGCAGGATGTA
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 AGGACTCAGACTCTGGCTCGGACTCAGACTATGAGCACTATGACTTACAGCGCCAGCCTCTGTGGCCCT
 GACCACCTTCTACAATCCAGCGGCATCGGGTACAGATGAGGAGGTCCAGCAAAGCAGGTTCCAGATG
 CCACCCTTGGAGGAAGGACTTGAAGAGTTCATGCCTCCACATCCCACTGCCAACCTGGACTGCA
 TTACAGACCCGCCATCCCTGGGCCCTCAGTATCACCCGAGGAGCAACAGTGAAGTGCAGCACCTCTCAGG
 GGAGGATTACTGCAATAGTCCAAAAGCAAGTGCCTCCATGGAACCCCGAGGTGTTTTCTCAGAGAGG
 AGTTCTTCTGGAGCAGCCCCAACTTGGAGCTGGCCGGCACCCAGCCAGCCTTTTCAGGGTCCCCCA
 GCCCTCAGCCTGACTCCACCGACAACGATGACTACGATGACATCAGCGCAGCC

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 TTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

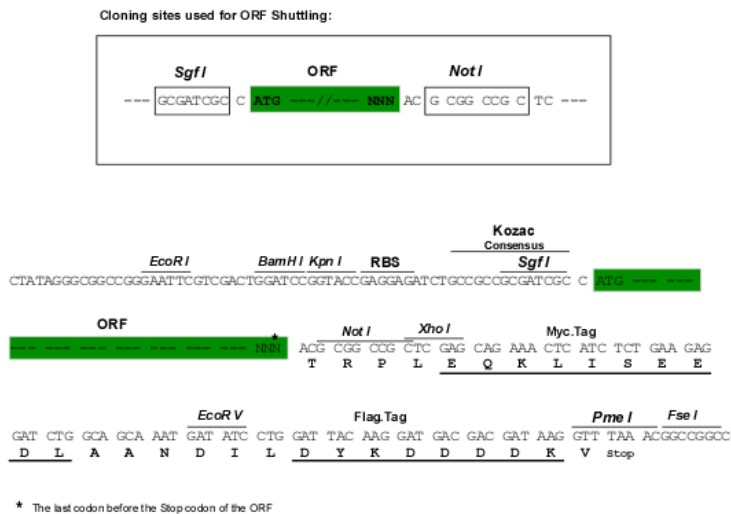
>RC234529 representing NM_001254750
 Red=Cloning site Green=Tags(s)

MWLFFGITGLLTAALSGHPSPAPPDQLNTSSAESELWEPGERLPVRLTNGSSSCSGTVEVRLEASWEPAC
 GALWDSRAAEAVCRALGCGGAEASQLAPPTPELPPPPAAGNTSVAANATLAGAPALLCSGAEWRLCEVV
 EHACRSDGRRARVTCAENRALRLVDGGGACAGRVEMLEHGEWGSVCDTWDLEDAHVVCRLGCGWAVQA
 LPGLHFTPGRGPIHRDQVNCSGAEAYLWDCPGLPGQHYCHKEDAGAVCSEHQSWRLTGGADRCEGQVEV
 HFRGVWNTVCDSEWYPSEAKVLCQSLGCGTAVERPKGLPHSLSGRMYSCNNGEELTNSCSWRFNNSNL
 SQSLAARVLCASRSLHNLSTPEVPASVQTVTIESSVTVKIENKESRELMILLIPSIVLGILLGSLIFIA
 FILLRIKGYVFMPLIQVQAPPPEDSDSGSDSYEHYDFSAQPPVALTTFYNSQRHRVTDEEVQQRQFM
 PPLEEGLEELHASHIPTANPGHCITDPPSLGPQYHPRSNSSESSTSSGEDYCNSPKSKLPPWNPQVFSER
 SSFLEQPPNLELAGTQPAFSGSPSPQPDSTDNDYDDISAA

TRPLE**QKLISEEDLAANDILDYKDDDDKV**

Restriction Sites:

Sgfl-NotI

Cloning Scheme:


ACCN: NM_001254750

ORF Size: 1803 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_001254750.2](#)

RefSeq Size: 3101 bp

RefSeq ORF: 1806 bp

Locus ID: 923

UniProt ID: [P30203](#)

Cytogenetics: 11q12.2

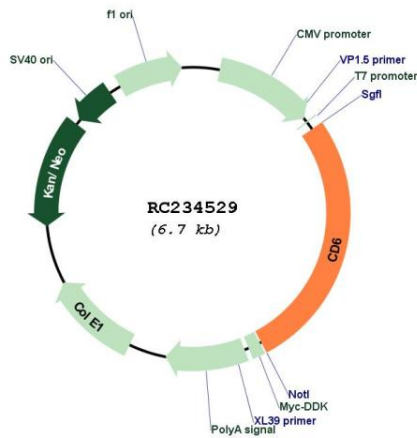
Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs)

MW: 65.1 kDa

Gene Summary: This gene encodes a protein found on the outer membrane of T-lymphocytes as well as some other immune cells. The encoded protein contains three scavenger receptor cysteine-rich (SRCR) domains and a binding site for an activated leukocyte cell adhesion molecule. The gene product is important for continuation of T cell activation. This gene may be associated with susceptibility to multiple sclerosis (PMID: 19525953, 21849685). Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Product images:



Circular map for RC234529