

Product datasheet for RC230772

CD4 (NM_001195015) Human Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

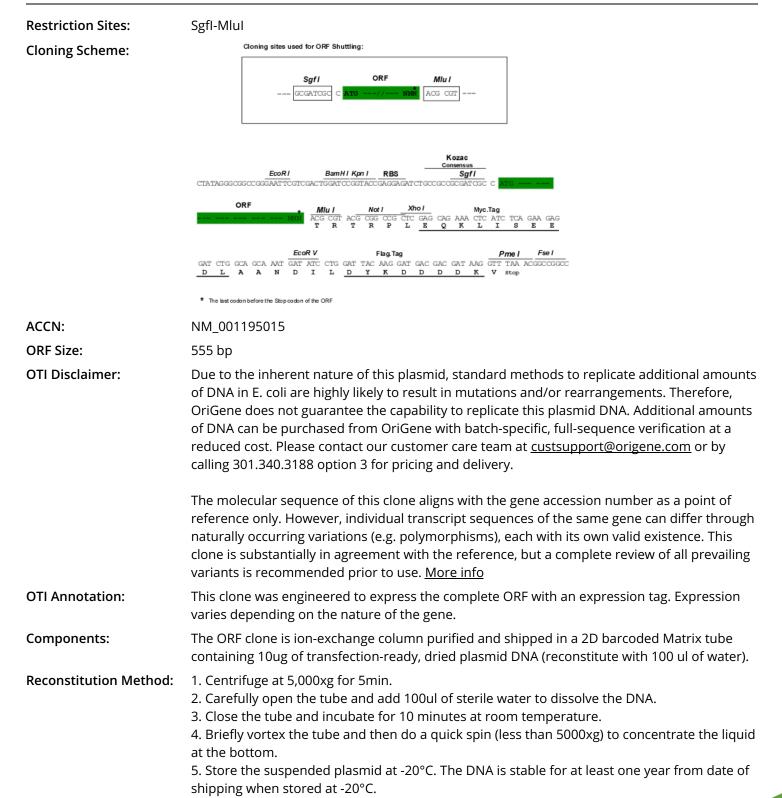
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Product Type:	Expression Plasmids
Product Name:	CD4 (NM_001195015) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD4
Synonyms:	CD4mut; IMD79; OKT4D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC230772 representing NM_001195015 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGGCAAGAAGCTCCCGCTCCACCTCACCCTGCCCCAGGCCTTGCCTCAGTATGCTGGCTCTGGAAACC TCACCCTGGCCCTTGAAGCGAAAACAGGAAAGTTGCATCAGGAAGTGAACCTGGTGGTGATGAGAGACCAC TCAGCTCCAGAAAAATTTGACCTGTGAGGTGTGGGGGACCCACCTCCCCTAAGCTGATGCTGAGTTTGAAA CTGGAGAACAAGGAGGCAAAGGTCTCGAAGCGGGAGAAGGCGGTGTGGGGTGCTGAACCCTGAGGCGGGGA TGTGGCAGTGTCTGCTGAGTGACTCGGGACAGGTCCTGCTGGAATCCAACATCAAGGTTCTGCCCACATG GTCCACCCCGGTGCAGCCAATGGCCCTGATTGTGCTGGGGGGGCGTCGCCGGCCTCCTGCTTTCATTGGG CTAGGCATCTTCTTCTGTGTCAGGTGCCGGCACCGAAGGCGCCAAGCAGGAGGGGATGTCTCAGATCAAGA GACTCCTCAGTGAGAAGAACACCTGCCAGTGTCCTCACCGGTTTCAGAAGACATGTAGCCCCATT
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>RC230772 representing NM_001195015 <mark>Red=</mark> Cloning site Green=Tags(s)
	MGKKLPLHLTLPQALPQYAGSGNLTLALEAKTGKLHQEVNLVVMRATQLQKNLTCEVWGPTSPKLMLSLK LENKEAKVSKREKAVWVLNPEAGMWQCLLSDSGQVLLESNIKVLPTWSTPVQPMALIVLGGVAGLLLFIG LGIFFCVRCRHRRRQAERMSQIKRLLSEKKTCQCPHRFQKTCSPI
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/ja2674_f08.zip



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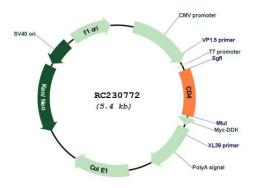
CD4 (NM_001195015) Human Tagged ORF Clone – RC230772



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ORIGENE CD4 (N	IM_001195015) Human Tagged ORF Clone – RC230772
RefSeq:	<u>NM 001195015.3</u>
RefSeq Size:	2866 bp
RefSeq ORF:	558 bp
Locus ID:	920
Cytogenetics:	12p13.31
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:	21.1 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 RC230772

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