

Product datasheet for **RC225084**

CD59 (NM_001127225) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD59 (NM_001127225) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CD59
Synonyms:	1F5; 16.3A5; EJ16; EJ30; EL32; G344; HRF-20; HRF20; MAC-IP; MACIF; MEM43; MIC11; MIN1; MIN2; MIN3; MIRL; MSK21; p18-20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225084 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGAATCCAAGGAGGTCTGTCTGTTCTGGGCTGCTGCTCGTCTGGTGTCTTCTGCCATTCAGGTC
ATAGCCTGCAGTGTACAACCTGCTTAACCAACTGCTGACTGCAAAACAGCCGCAATTGTTTCATCTGA
TTTTGATGCGTGTCTCATTACCAAAGCTGGGTTACAAGTGATAACAAGTGTGGAAGTTTGAGCATTGC
AATTTCAACGACGTCACAACCCGCTTGAGGAAAATGAGCTAACGTAAGTACTGCTGCAAGAAGGACCTGT
GTAACTTAACGAACAGCTTAAAATGGTGGGACATCCTATCAGAGAAAACAGTTCTTCTGCTGGTGAC
TCCATTTCTGGCAGCAGCCTGGAGCCTTCATCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC225084 protein sequence Red=Cloning site Green=Tags(s)
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MGIQGGSVLFGLLLVLAVFCHSGHSLQYCNPNPTADCKTAVNCSSDFDACLITKAGLQVYNKCKWFEHC
NFNDVTRLRENELTYCCKKDLNCFNEQLENGGTSLEKTVLLLLVTPFLAAAWSLHP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6417_h05.zip

Restriction Sites: SgfI-MluI



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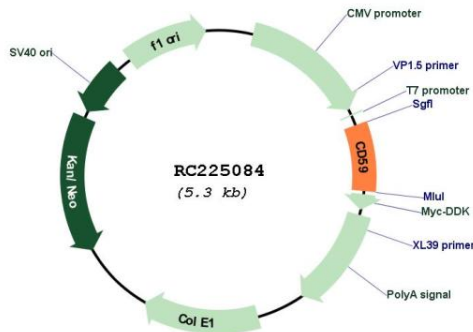
Protein Families: Druggable Genome

Protein Pathways: Complement and coagulation cascades, Hematopoietic cell lineage

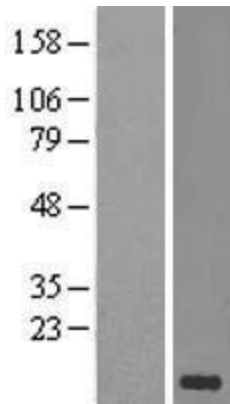
MW: 14.2 kDa

Gene Summary: This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC225084



Western blot validation of overexpression lysate (Cat# [LY426725]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC225085] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).