

Recombinant Human CD59 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD59-5367H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD59 MS Standard C13 and N15-labeled recombinant protein (NP_000602) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>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.</p>
Molecular Mass	14.2 kDa
AA Sequence	<p>MGIQGGSVLFGLLLVLAVFCHSGHSLQCYNCPNPTADCKTAVNCSSDFDACLITKAG LQVYNKCKWKFHCNFDVTTTRLRENELTYCCKKDLNCFNEQLENGGTSLSSEKTVL LLVTPFLAAAWSLHPTRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CD59 CD59 molecule (CD59 blood group) [Homo sapiens (human)]
Official Symbol	CD59
Synonyms	CD59; CD59 molecule, complement regulatory protein; CD59 antigen p18 20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344), CD59 antigen, complement regulatory protein, MIC11, MIN1, MIN2, MIN3, MSK21; CD59 glycoprotein; 16.3A5; EJ16; EJ30; EL32; G344; p18 20; protectin; 1F5 antigen; MEM43 antigen; Ly-6-like protein; T cell-activating protein; human leukocyte antigen MIC11; lymphocytic antigen CD59/MEM43; 20 kDa homologous restriction factor; membrane inhibitor of reactive lysis; membrane attack complex inhibition factor; membrane attack complex (MAC) inhibition factor; surface antigen recognized by monoclonal 16.3A5; CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344); 1F5; MIN1; MIN2; MIN3; MIRL; HRF20; MACIF; MEM43; MIC11; MSK21; HRF-20; MAC-IP; p18-20; MGC2354; FLJ38134; FLJ92039;
Gene ID	966

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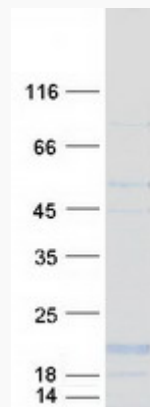
mRNA Refseq [NM_000611](#)

Protein Refseq [NP_000602](#)

MIM [107271](#)

UniProt ID [P13987](#)

SDS-PAGE



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