

Recombinant Human CD59 (C-6His)

Catalog No. PKSH034028

Note: Centrifuge before opening to ensure complete recovery of vial contents.

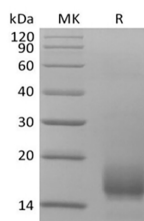
Description

Synonyms	1F5 antigen;1F5;20 kDa homologous restriction factor;CD59 antigen;CD59 glycoprotein;CD59;HRF20;HRF-20;MACIF;MAC-IP;MIC11;MIC11MSK21;MIN1;MIN2;MIN3;MIRL;p18-20;16.3A5;EL32;FLJ38134;FLJ92039;G344
Species	Human
Expression Host	HEK293 Cells
Sequence	Leu26-Asn102
Accession	P13987
Calculated Molecular Weight	9.8 kDa
Observed molecular weight	15-20 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

CD59, also known as membrane attack complex inhibition factor (MACIF), Protectin, 1F5 antigen, HRF-20 and MIRL,

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is an approximately 20 kDa GPI anchored glycoprotein that is an important regulator of the complement system in blood. CD59 is a potent inhibitor of the complement membrane attack complex (MAC) action. CD59 was first identified as a regulator of the terminal pathway of complement. It acts by binding to the C8 and/or C9 complements of the assembling MAC, thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. This inhibitor appears to be species-specific. CD59 is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

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Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017