

For Research Use Only

Recombinant Human CD59 protein (rFc Tag)



Catalog Number: Eg1758

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human CD59 protein Leu26-Asn102 (Accession# P13987-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

966

Accession:

P13987-1

Predicted Molecular Mass:

35.2 kDa

SDS-PAGE:

38-48 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CD59, also named as MIC11, MIN1, MIN2, MIN3, MSK21, MIRL, MACIF, HRF20 and 1F5 antigen, is a cell surface molecule glycoprotein with MW 18-25 kDa. It acts as a determinant of proximal-distal cell identity. CD59 acts by binding to the C8 and/or C9 complements of the assembling membrane attack complex (MAC), thereby preventing incorporation of the multiple copies of C9 required for complete formation of the osmolytic pore. It is involved in signal transduction for T-cell activation complexed to a protein tyrosine kinase.

References

1. Imre Farkas, et al. (2002) J Physiol. 539(Pt 2):537-45.
2. S A Rollins, et al. (1990) J Immunol. 144(9):3478-83.
3. Emanuela Marcenaro, et al. (2003) Eur J Immunol. 33(12):3367-76.
4. Xi-He Xie, et al. (2012) Cell Immunol. 274(1-2):1-11.

Synonyms

20 kDa homologous restriction factor, CD 59, CD59 antigen, CD59 glycoprotein, HRF-20

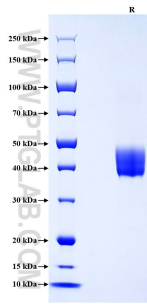
For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human CD59 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.