

For Research Use Only

Recombinant Human C5 protein (rFc Tag)



Catalog Number: Eg4205

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
C-rFc

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human C5 protein Thr678-Arg751 (Accession# P01031) with a rabbit IgG Fc tag at the C-terminus

GeneID:

727

Accession:

P01031

Predicted Molecular Mass:

34.6 kDa

SDS-PAGE:

35-42 kDa, reducing (R) condition

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

The complement system is an important effector that bridges the innate and adaptive immune systems. The fifth component of complement, C5, is part of the complement cascade and plays an important role in inflammation and cell killing. It consists of disulfide-linked alpha and beta polypeptide chains but can be cleaved into two active peptides (C5a and C5b) by C5 convertases. Mutations and defects in C5 are associated with severe recurrent infections.

References

1. Dunkelberger JR, et al. (2010) Cell Res. 20(1):34-50.
2. Gerard C, et al. (1994) Annu Rev Immunol. 12:775-808.
3. DiScipio RG, et al. (1983) J Biol Chem. 258(17):10629-36.

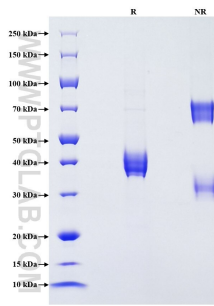
Synonyms

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

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



Purity of Recombinant Human C5 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.