

For Research Use Only

Recombinant Human Complement C2 protein (rFc Tag)



Catalog Number: Eg3058

Basic Information

ED50:
/

GeneID:
717

Species:
Human

Accession:
P06681-1

Purity:
>90 %, SDS-PAGE

Technical Specifications

Purity:
>90 %, SDS-PAGE

Endotoxin Level:
<1.0 EU/ μ g protein, LAL method

Source:
HEK293-derived Human Complement C2 protein Ala21-Leu752 (Accession# P06681-1) with a rabbit IgG Fc tag at the C-terminus.

Predicted Molecular Mass:
107.1 kDa

SDS-PAGE:
90-125 kDa, reducing (R) condition

Formulation:
Lyophilized from sterile 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

Complement C2 is one of the serum glycoproteins in the classical and MBL pathways of complement activation. C2 is made up of three globular domains. The N-terminal domain, which constitutes the C2b segment, is made up of three short consensus repeats (SCRs). C2 deficiency carries an increased risk of developing systemic lupus erythematosus, recurrent infections and atherosclerosis.

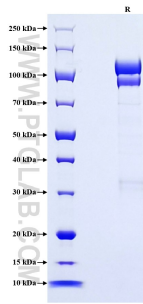
References

1. Tange CE, et al. (2018). Clin Chem Lab Med. Aug 28;56(9):1498-1506.
2. Huda R, et al. (2013). J Autoimmun. May;42:94-104.
3. Budding K, et al. (2021). Neurol Neuroimmunol Neuroinflamm. Nov 10;9(1):e1107.
4. Laich A, et al. (2022). Immunobiology. May;227(3):152225.

Synonyms

C2,C3/C5 convertase,CO2,Complement C2,Complement C

Selected Validation Data



Purity of Recombinant Human Complement C2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) condition and stained using Coomassie blue.

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

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