

For Research Use Only

Recombinant Human FCGR2A/CD32a protein (rFc Tag)



Catalog Number: Eg2713

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ μ g protein, LAL method

Source:

HEK293-derived Human FCGR2A protein Gln34-Gly217 (Accession# P12318-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

2212

Accession:

P12318-1

Predicted Molecular Mass:

46.4 kDa

SDS-PAGE:

50-60 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μ m 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

IgG Fc receptors (Fc γ Rs) play important roles in immune responses. Low-affinity IgG Fc receptor Fc gamma RIIa (FCGR2A, CD32a) is a cell surface receptor found on phagocytic cells such as macrophages and neutrophils and is involved in the process of phagocytosis and clearing of immune complexes.

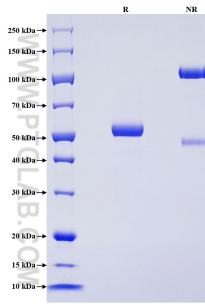
References

- 1.Gessner JE, et al. (1998) Ann Hematol.76(6):231-48.
- 2.Anania JC, et al. (2019) Front Immunol.19;10:464.

Synonyms

CD32, CD32A, Fc gamma RII a, Fc gamma RIIa, FCG2

Selected Validation Data



Purity of Recombinant Human FCGR2A 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.

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

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