

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/μg 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 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

IgG Fc receptors (FcγRs) 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

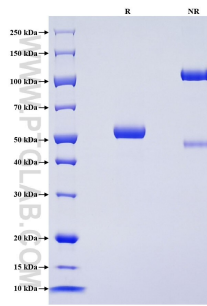
CD32, CD32A, Fc gamma RII a, Fc gamma RIIa, FCG2

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

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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.