

Recombinant Human Fc gamma RIIA/FCGR2A/CD32a (H167R) Protein

Catalog No.: RP00081 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	2212	P12318

Tags

C-His

Synonyms

FCGR2A;CD32;CD32A;CDw32;FCG2;FCGR2;FCGR2A1;FcGR;IGFR2

Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

Calculated MW	Observed MW
21.15 kDa	25-35 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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Background

The member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. The protein encoded by this gene 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. Alternative splicing results in multiple transcript variants.

Basic Information

Description

Recombinant Human Fc gamma RIIA/FCGR2A/CD32a (H167R) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala36-Ile218 (R167)) of human Fc gamma RIIA/CD32a (Accession #NP_001129691.1) fused with a 6×His tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD32a at 1 μg/mL (100 μL/well) can bind biotinylated human IgG1 with a linear range of 30-250 ng/mL.

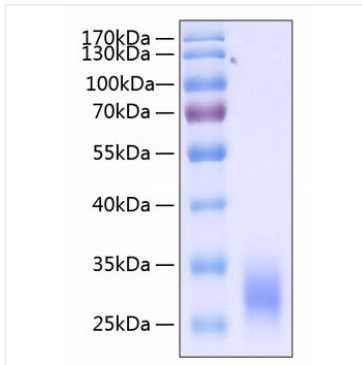
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

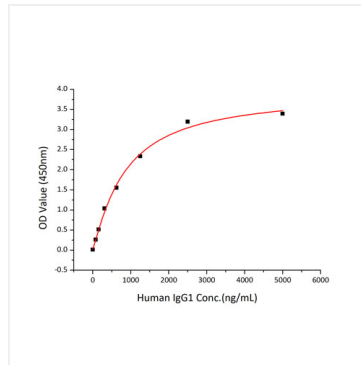
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human Fc-gamma RIIa/CD32a(H167R) Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 25-35 kDa.



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