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

Catalog No.: RP00081

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Sequence Information

Species	Gene ID
Human	2212
Swiss Prot	**Tags**
P12318	C-His

Synonyms
FCGR2A,CD32,CD32A,CDw32, FCG2,FCGR2,FCGR2A1,FcGR,IGFR2

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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.

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.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

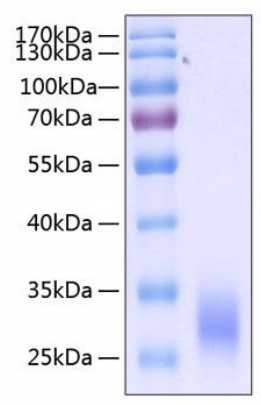
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

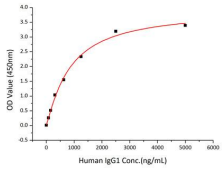
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Validation Data



Recombinant Human Fc gamma RIIA/FCGR2A/CD32a (H167R) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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