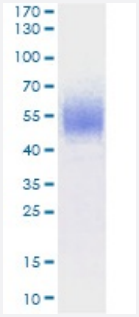
Bioactive

FCGR1A (Human) Recombinant Protein

Catalog # P6764 Size 100 ug

Applications



FCGR1A (Human) Recombinant Protein (Cat #P6764) was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-55 kDa.

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human FCGR1A (NP_000557.1, 1 a.a. - 288 a.a.) partial recombinant protein with His tag at C-term inus expressed in CHO cells.
Host	Mammals
Theoretical MW (kDa)	45-55
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purification	Ni-sepharose purification
Purity	> 97% by SDS-PAGE

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Endotoxin Level	< 0.1 EU/ug
Activity	Measured by the binding ability in a functional ELISA. Immobilized Recombinant Human FCGR1A, His Tag at 2 ug/mL (100 uL/well) can bind Rituximab with a linear range of 15.625-58.38 ng/mL.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue FCGR1A (Human) Recombinant Protein (Cat #P6764) was determined by SDS-PAGE with Coomassie Blue, showing a band at 45-55 kDa.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS, pH 7.4.
Storage Instruction	Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution to a concentration of 0.1-0.5 mg/mL in sterile distilled water, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- SDS-PAGE

Gene Info — FCGR1A

Entrez GeneID	2209
Protein Accession#	P12314
Gene Name	FCGR1A
Gene Alias	CD64, CD64A, FCRI, FLJ18345, IGFR1
Gene Description	Fc fragment of IgG, high affinity Ia, receptor (CD64)
Omim ID	146760
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that plays an important role in the immune response. This protein is a high-affinity Fc-gamma receptor. The gene is one of three related gene family members located on chromosome 1. [provided by RefSeq

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Other Designations	Fc fragment of IgG, high affinity Ia, receptor for (CD64)|Fc gamma receptor|Fc-gamma RI|Fc-gamma receptor I A1|IgG Fc receptor I|OTTHUMP00000013913

Pathway

- Fc gamma R-mediated phagocytosis
- Hematopoietic cell lineage
- Systemic lupus erythematosus

Disease

- Asthma
- Chronic Disease
- Colorectal Neoplasms
- Disease Progression
- Genetic Predisposition to Disease
- Hypersensitivity
- Periodontitis
- Rhinitis

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