

Recombinant human CD32a/FCGR2A protein

Catalog Number: ATGP1936

PRODUCT INFORMATION

Expression system

E.coli

Domain

34-216aa

UniProt No.

P12318

NCBI Accession No.

AAH19931.1

Alternative Names

Low affinity immunoglobulin gamma Fc region receptor II-a, IgG Fc receptor II-a, CDw32, Fc gamma receptor IIA, Fc-gamma RII-a, Fc-gamma-RIIa, FcRII-a, CD32, FCGR2A, CD32A, FCG2, FCGR2A1, IGFR2

PRODUCT SPECIFICATION

Molecular Weight

23.0 kDa (208aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 50% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Low affinity immunoglobulin gamma Fc region receptor II-a, also known as FCGR2A, is a member of a family of immunoglobulin Fc receptor genes found on the surface of many immune response cells. This protein 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. Recombinant human FCGR2A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

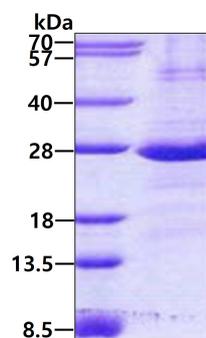
<MGSSHHHHHH SSGLVPRGSH MGSHM>QAAPP KAVLKLEPPW INVLQEDSVT LTCQGARSPE SDSIQWFHNG
NLIPTHTQPS YRFKANNNDG GEYTCQTGQT SLSDPVHLTV LSEWLVLQTP HLEFQEGETI MLRCHSWKDK PLVKVTFQFN
GKSQKFSRLD PTFISIPQANH SHSGDYHCTG NIGYTLFSSK PVTITVQVPS MGSSSPMG

General References

Lu J., et al. (2008) Nature. 456:989-992
Rikova K., et al. (2007) Cell. 131:1190-1203

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.