Datasheet for ABIN7195710

FCGR3B Protein (AA 1-200) (His tag)

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Overview

Quantity:	100 µg
Target:	FCGR3B
Protein Characteristics:	AA 1-200
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR3B protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CD16b/FCGR3B Protein (aa 1-200, His Tag)
Sequence:	Met 1-Ser 200
Characteristics:	A DNA sequence encoding the human CD16b (NP_000561.3) (Met 1-Ser 200) was fused with a polyhistidine tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.

Target Details

Target:	FCGR3B
Alternative Name:	CD16b/FCGR3B (FCGR3B Products)
Background:	Background: The asialoglycoprotein receptor (ASGPR), an endocytotic cell surface receptor

Target Details

	expressed by hepatocytes, is triggered by triantennary binding to galactose residues of macromolecules such as asialoorosomucoid (ASOR). ASGPR belongs to the long-form subfamily of the C-type/Ca2+ dependent lectin family. It is a complex of two noncovalently-linked and highly homologous subunits, a major 42 kDa glycoprotein ASGPR1(MHL-1) and a minor 51 kDa glycoprotein ASGR2 (MHL-2). ASGPR1 is synthesized as a type II transmembrane protein that contains a cytosolic N-terminal domain, a single transmembrane segment, and an extracellular domain which contains two important structural regions. The first is a stalk domain that contributes to noncovalent oligomerization, and the second is a Ca2+-dependent carbohydrate binding domain at the very C-terminus that is unusually stabilized by three ions. The research regarded that ASGPR1 could be targeted for anti- hepatitis B virus (HBV) drug development. Synonym: Low affinity immunoglobulin gamma Fc region receptor III-B, Fc-gamma RIII-beta, FcR-10, IgG Fc receptor III-1, FCG3, FCGR3, CD16b and FCGR6B,FCRIII,FCRIIIb
Molecular Weight:	22.2 kDa
NCBI Accession:	NP_000561

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.