

Datasheet for ABIN7597241

FCGR1A Protein (AA 16-288) (His tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	FCGR1A
Protein Characteristics:	AA 16-288
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FCGR1A protein is labelled with His tag.

Product Details

Purpose:	Recombinant human FCGR1A Protein with C-terminal 6xHis tag
Sequence:	FCGR1A(Gln16-Pro288) 6xHis tag
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	FCGR1A
Alternative Name:	FCGR1A (FCGR1A Products)
Background:	CD64, FCG1, FCRI, CD64A, FCGR1, IGFR1, FcgammaRI 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, Jul 2008]

Target Details

Molecular Weight:	predicted molecular mass of 31.4 kDa after removal of the signal peptide. The apparent molecular mass of FCGR1A-His is 35-70 kDa due to glycosylation.
UniProt:	P12314
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Extracellular Domain Proteins (ECD) can be used as: • Immunogens for antibody drug development • Reagents used for CAR-T positive cell monitoring • Reagents for antibody screening and functional testing • Reagents for antibody affinity measurement
Comment:	The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months