

Datasheet for ABIN7013424

**FCGR1A Protein (AA 16-281) (His tag)**[Go to Product page](#)**2** Images

## Overview

Quantity:	100 µg
Target:	FCGR1A
Protein Characteristics:	AA 16-281
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FCGR1A protein is labelled with His tag.

## Product Details

Characteristics:	Human Fc gamma RI / CD64 Protein, His Tag (MALS verified)
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	FCGR1A
Alternative Name:	Fc gamma RI / CD64 ( <a href="#">FCGR1A Products</a> )
Background:	Receptors that recognize the Fc portion of IgG are divided into three groups designated Fc gamma RI, RII, and RIII, also known respectively as CD64, CD32, and CD16. Fc gamma RI binds IgG with high affinity and functions during early immune responses. Fc gamma RII and RIII are low affinity receptors that recognize IgG as aggregates surrounding multivalent antigens during

## Target Details

late immune responses. High affinity immunoglobulin gamma Fc receptor I is also known as FCGR1A, FCG1, FCGR1, CD64 and IGFR1, is a type of integral membrane glycoprotein that binds monomeric IgG-type antibodies with high affinity, which belongs to the immunoglobulin superfamily or FCGR1 family. FCGR1A / CD64 contains 3 Ig-like C2-type (immunoglobulin-like) domains. CD64 is constitutively found on only macrophages and monocytes, but treatment of polymorphonuclear leukocytes with cytokines like IFN $\gamma$  and G-CSF can induce CD64 expression on these cells.

Molecular Weight:	31.8 kDa
NCBI Accession:	<a href="#">NP_000557</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

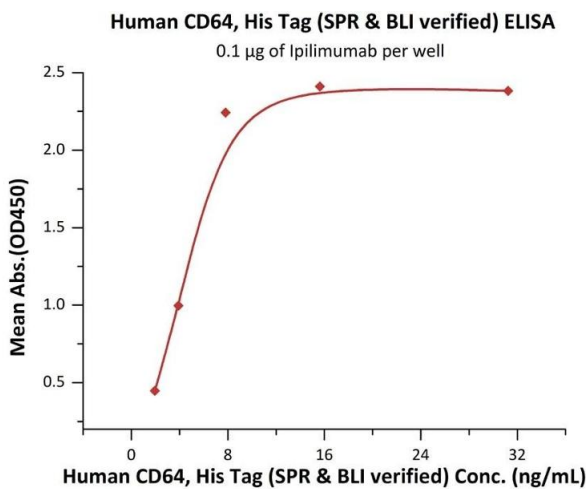
## Application Details

Application Notes:	MALS verified
Restrictions:	For Research Use only

## Handling

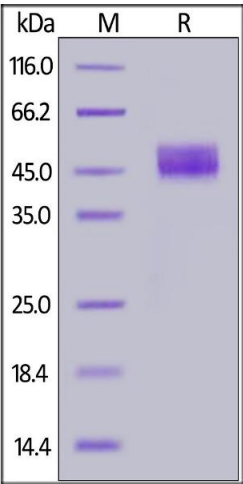
Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C

## Images



### ELISA

**Image 1.** Immobilized Ipilimumab at 1  $\mu$ g/mL (100  $\mu$ L/well) can bind Human CD64, His Tag (ABIN6973053) with a linear range of 2-8 ng/mL (QC tested).



SDS-PAGE

**Image 2.** Human CD64, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .