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# Recombinant human Fc gamma RIIIA/CD16a protein

Catalog Number: ATGP3449

#### PRODUCT INFORMATION

### **Expression system**

Baculovirus

#### **Domain**

18-208aa

#### UniProt No.

P08637

#### **NCBI Accession No.**

NP 001121065.1

#### **Alternative Names**

Low affinity immunoglobulin gamma Fc region receptor III-A, CD16, CD16A, FCG3, FCGR3, FCGRIII, FCR-10, FCRIII, FCRIIIA, IGFR3, IMD20

#### **PRODUCT SPECIFICATION**

# **Molecular Weight**

22.8 kDa (200aa)

#### Concentration

0.25mg/ml (determined by absorbance at 280nm)

#### **Formulation**

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### **Endotoxin level**

< 1 EU per 1ug of protein (determined by LAL method)

# 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**

FCGR3A, also known as low affinity immunoglobulin gamma Fc region receptor III-A, is a multifunctional, low or intermediate affinity receptor, which belongs to the immunoglobulin superfamily. It is expressed on human NK cells as an integral membrane glycoprotein anchored through a transmembrane peptide. It mediates antibody-



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dependent cellular cytotoxicity (ADCC) and other antibody-dependent responses, such as phagocytosis. Recombinant human FCGR3A, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

### **Amino acid Sequence**

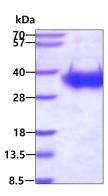
<ADP>MRTEDLP KAVVFLEPQW YRVLEKDSVT LKCQGAYSPE DNSTQWFHNE SLISSQASSY FIDAATVDDS GEYRCQTNLS TLSDPVQLEV HIGWLLLQAP RWVFKEEDPI HLRCHSWKNT ALHKVTYLQN GKGRKYFHHN SDFYIPKATL KDSGSYFCRG LFGSKNVSSE TVNITITQGL AVSTISSFFP PGYQ<HHHHHHH>

#### **General References**

Ravetch JV., et al. (1989) J Exp Med. 170:481-497. Ferrara C., et al. (2011) Proc Natl Acad Sci U S A. 108:12669-12674.

# **DATA**

#### **SDS-PAGE**



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

