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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

FCGR3A (Human) Recombinant Protein (P01)

Catalog Number: H00002214-P01

Regulation Status: For research use only (RUO)

Product Description: Human FCGR3A full-length ORF (AAH17865.1, 17 a.a. - 254 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

```
GMRTEDLPKAVVFLEPQWYRVLEKDSVTLKCGAYS  
PEDNSTQWFHNESSLISSQASSYFIDAATVDDSGEYRC  
QTNLSTLSDPVQLEVHIGWLLLQAPRWVFKEEDPIHLR  
CHSWKNTALHKVTYLQNGKGRKYFHHNSDFYIPKATL  
KDSGSYFCRGLVGSKNVSSETVNITITQGLAVSTISSFF  
PPGYQVSFCLVMVLLFAVDTGLYFSVKTNIRSSTRDW  
KDHKFKWRKDPQDK
```

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 51.92

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2214

Gene Symbol: FCGR3A

Gene Alias: CD16, CD16A, FCG3, FCGR3, FCGR111, FCR-10, FCRIII, FCRIIIA, IGFR3

Gene Summary: This gene encodes a receptor for the Fc portion of immunoglobulin G, and it is involved in the removal of antigen-antibody complexes from the circulation, as well as other antibody-dependent responses. This gene (FCGR3A) is highly similar to another nearby gene (FCGR3B) located on chromosome 1. The receptor encoded by this gene is expressed on natural killer (NK) cells as an integral membrane glycoprotein anchored through a transmembrane peptide, whereas FCGR3B is expressed on polymorphonuclear neutrophils (PMN) where the receptor is anchored through a phosphatidylinositol (PI) linkage. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Discovery and characterization of a peptide motif that specifically recognizes a non-native conformation of human IGG induced by acidic pH conditions. Sakamoto K, Ito Y, Hatanaka T, Soni PB, Mori T, Sugimura K. J Biol Chem. 2009 Apr 10;284(15):9986-93. Epub 2009 Feb 19.