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Recombinant human Fc gamma RIIIA / CD16a (F176) Protein, C-His (HEK293)

Catalog Number:	bs-43211P
Concentration:	>0.5mg/ml
Species:	Human
AA Seq:	17-208/254
Predicted MW:	24.1
Tags:	C-His
Endotoxin:	Not analyzed
Purity:	>90% as determined by SDS-PAGE
Purification:	AC
Form:	Lyophilized or Liquid
Storage:	PBS (pH=7.4). Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.
Background:	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 responses, including antibody dependent cellular mediated cytotoxicity and antibody dependent enhancement of virus infections. 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 are associated with immunodeficiency 20, and 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, Aug 2020]

VALIDATION IMAGES

The purity of the protein is greater than 90% as

determined by reducing SDS-PAGE.