

AR50447PU-N

Human CD16 (18-208, His-tag) - Purified

Alternate names:

CD16A, FCG3, FCGR3, FCGR3A, Fc-gamma RIII, Fc-gamma RIII-alpha, Fc-gamma RIIIa, FcR-10, FcRIII, FcRIIIa, IGFR3, IgG Fc receptor III-2, Low affinity immunoglobulin gamma Fc region receptor III-A

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Low affinity immunoglobulin gamma Fc region receptor III-A (FCGR3A), also known as CD16A. 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. FCGR3A requires association of the gamma subunit of Fc epsilon RI or the zeta subunit of the TCR-CD3 complex for cell surface expression. Mutations in this gene have been linked to susceptibility to recurrent viral infections, susceptibility to systemic lupus erythematosus, and alloimmune neonatal neutropenia.

Uniprot ID:

[P08637](#)

NCBI:

[NP_001121065](#)

GeneID:

[2214](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1M Urea, 10% glycerol

Description:

Recombinant human FCGR3A protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMMRT EDLPKAVVFL EPQWYRVLEK
DSVTLKCQGA YSPEDNSTQW FHNESLISSQ ASSYFIDAAT VDDSGEYRCQ TNLSTLSDPV
QLEVHIGWLL LQAPRWVFKE EDPIHLRCHS WKNTALHKVT YLQNGKGRKY FHHNSDFYIP
KATLKDSGSY FCRGLFGSKN VSSETVNITI TQGLAVSTIS SFFPPGYQ

Molecular weight: 26 kDa (228aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Huizinga T W., et al. (1988) Nature. 333:667-669. Nagarajan S., et al. (1995) J Biol Chem. 270:25762-25770.

Pictures:

