

FCGR3A, 25-477aa, Human, His-tag, Baculovirus

Cat.NO.: TP02106

3th Edition

Synonyms:Low affinity immunoglobulin gamma Fc region receptor III-A, CD16, CD16A, FCG3, FCGR3, FCGR111, FCR-10, FCR111, FCR111A, IGFR3, IMD20

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-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.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:22.8kDa (200aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:

ADPMRTEDLPKAVVFLEPQWYRVLEKDSVTLKQCQAYSPEDNSTQWFHNESLISSQASSYFIDAATVDDSGEYRC
QTNLSTLSDPVQLEVHIGWLLLQAPRWVFKEDPIHLRCHSWKNTALHKVTYLQNGKGRKYFHHNSDFYIPKATLK
DSGSYFCRGLFGSKNVSSETVNITITQGLAVSTISSFFPPGYQHSHHHHH

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.