

32-13230: FCGRT Mouse

Alternative Name : IgG receptor FcRn large subunit p51, FcRn, IgG Fc fragment receptor transporter alpha chain, Neonatal Fc receptor, Fcgrt, FcRn.

Description

Source: Sf9, Baculovirus cells.

Sterile filtered colorless solution.

Fc Fragment Of IgG Receptor And Transporter also known as FCGRT is a transmembrane glycoprotein with structural homology to MHC class 1 proteins. FCGRT is widely expressed in endothelial and epithelial cells and takes a vital part in IgG homeostasis. Moreover, FCGRT is expressed in neutrophils in addition myeloid antigen presenting cells. FCGRT can enhance IgG-mediated phagocytosis as well as antigen presentation by hese cells, however it promotes the degradation of opsonizing IgG rather than returning it to the circulation.

FCGRT Mouse Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 285 amino acids (22-297 a.a) and having a molecular mass of 32.1kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa).FCGRT is fused to a 6 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : FCGRT protein solution (0.5mg/ml) contains Phosphate buffered saline (pH7.4) and 10% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Amino Acid : ADPSETRPPL MYHLTAVSNP STGLPSFWAT GWLGPQQYLT YNSLRQEADP CGAWMMWENQV
SWYWEKETTD LKSKEQLFLE ALKTLEKILN GTYTLQGLLG CELASDNSSV PTAVFALNGE EFMKFNPRIG
NWTGEWPETE IVANLWMKQP DAARKESEFL LNSCPERRLLG HLERGRRNLE WKEPPSMRLK
ARPGNSGSSV LTCAAFSFYP PELKFRFLRN GLASGSGNCS TGPNGDGSFH AWSLLEVVRG
DEHHYQCQVE HEGLAQPLTV DLDSSARSSH HHHHH.