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32-8384: Recombinant Human FcRn & B2M Heterodimer (C-6His)

Gene : FCGRT
Gene ID : 2217
Uniprot ID : P55899

Description

Source: Human Cells.
MW :41.4kD.
Recombinant Human IgG Fc fragment receptor transporter is produced by our Mammalian expression system and the target gene encoding Ala24-Leu290&Ile21-Met119 is expressed with a 6His tag at the C-terminus. FcRn complex consist of two subunits: IgG receptor FcRn large subunit p51(alpha chain) and Beta-2-microglobulin(Beta chain). The complexes is similar in structure to MHC class I-like heterodimer. Beta-2-microglobulin involved in the presentation of peptide antigens to the immune system. FcRn binds to the Fc region of monomeric immunoglobulins gamma, mediates the uptake of IgG from milk,Possible role in transfer of immunoglobulin G from mother to fetus. A principal component of antibody transport is the neonatal receptor for the Fc portion of immunoglobulin, a heterodimer of a MHC-1 alpha-chain homolog (FcRn) and beta-2-microglobulin (B2M).

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 50mM HEPES,150mM Nacl,pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : AESHLSLLYHLTAVSSPAPGTPAFWVSGWLGPQQYLSYNSLRGEAEPCGAWVWENQVSWYWEKETTDLRIKE KLFLEAFKALGGKGPYTLQGLLGCELGPDNTSVPTAKFALNGEEFMNFDLKQGTWGGDWPEALAISQRWQQQ DKAANKELTFLLFSCPHRLREHLERGRGNLEWKEPPSMRLKARPSSPGFSVLTCSAFSFYPPELQLRFLRNGLAA GTGQGDFGPNSDGSFHASSSLTVKSGDEHHYCCIVQHAGLAQPLRVELENLYFQGHHHHHH&IQRTPKIQVYS RHPAENGKSNFLNCYVSGFHPSDIEVDLLKNGERIEKVEHSDLSFSKDWSFYLLYYTEFTPTEKDEYACRVNHVT LSQPKIVKWDRDM

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.