Recombinant Protein Technical Manual

Recombinant Human FcRn & B2M Heterodimer Protein (His Tag)

RPES3629

Product Data:

Product SKU: RPES3629

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P55899&P61769

Protein Information:

Molecular Mass: 41.4 kDa

AP Molecular Mass: 13&37 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 50mM HEPES,150mM Nacl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: IgG receptor FcRn;Neonatal Fc receptor;FCRN

Immunogen Information:

Sequence: Ala24-Leu290&Ile21-Met 119

Background:

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 alpha-chain homolog (FcRn) and beta-2-microglobulin (B2M).