

RPCB0753

Product Information

Product SKU: RPCB0753 **Gene ID:** 2217/567 **Size:** 10µg
Tag: C-His(FCGRT)&No tag(B2M) **Reactivity:** Human

Additional Information

Expression Host: HEK293 cells **Swissprot:** P55899/P61769
Purity: > 97% by SDS-PAGE.

Protein Information

Background: FCGRT & B2M heterodimer protein (FcRn complex) consist of two subunits: p51 (equivalent to FCGRT), and p14 (equivalent to beta-2-microglobulin), and forms an MHC class I-like heterodimer. Fc fragment of IgG, receptor, transporter, alpha (FCGRT) binds to the Fc region of monomeric immunoglobulins gamma and mediates the uptake of IgG from milk. FCGRT possible role in transfer of immunoglobulin G from mother to fetus. Beta-2-microglobulin (B2M) is a component of MHC class I molecules, MHC class I molecules have $\alpha 1$, $\alpha 2$, and $\alpha 3$ proteins which are present on all nucleated cells (excludes red blood cells) and B2M involved in the presentation of peptide antigens to the immune system.

Protein Description: High quality, high purity and low endotoxin recombinant Recombinant Human FcRn/FCGRT&B2M Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

Endotoxin: < 0.1 EU/µg of the protein by LAL method.

Formulation: Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Storage: Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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