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Product datasheet for TP727149

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human FcRn & B2M Heterodimer (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala24-Leu290&Ile21-Met119
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 50mM HEPES, 150mM Nacl, pH 7.4.
Note:	Recombinant Human IgG Fc fragment receptor transporter is produced by our Mammalian expression system and the target gene encoding Ala24-Ser297&Ile21-Met119 is expressed with a 6His tag at the C-terminus.
Storage:	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.
Stability:	12 months from date of despatch
Synonyms:	IgG receptor FcRn;Neonatal Fc receptor;FCRN
Summary:	FcRn complex consist of two subunits: IgG receptor FcRn large subunit p51ï¼ˆalpha chain) and Beta-2-microglobulinï¼ˆBeta 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).

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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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