

Product datasheet for **TP727393**

Fcgrt Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse FcRn & B2M Heterodimer (C-6His)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Ser22-Val301&Ile21-Met119
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse IgG Fc fragment receptor transporter is produced by our Mammalian expression system and the target gene encoding Ser22-Val301&Ile21-Met119 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	14132
UniProt ID:	Q61559
Summary:	FcRn complex consist of two subunits: IgG receptor FcRn large subunit p51 ^α (alpha chain) and Beta-2-microglobulin ^β (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).



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