

Product datasheet for **TP727067**

Cynomolgus Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Cynomolgus Cytotoxic and regulatory T-cell molecule/CRTAM(C-Fc)
Species:	Cynomolgus
Expression cDNA Clone or AA Sequence:	Ser18-Gly287
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of 50 mM Tris-HCl, 100 mM Glycine, pH7.5.
Note:	Recombinant Cynomolgus monkey Cytotoxic and regulatory T-cell molecule is produced by our Mammalian expression system and the target gene encoding Ser18-Gly287 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Summary:	Cytotoxic and Regulatory T-Cell Molecule (CRTAM) is a member of Nectin family under the immunoglobulin superfamily that is expressed by activated CD8 ⁺ and NK T cells. CRTAM is found in spleen, thymus, small intestine, peripheral blood, and it is highly expressed by Purkinje cells of the cerebellum. CRTAM is a type I transmembrane glycoprotein containing one Ig-like C2-type domain and one Ig-like V-type domain in its extracellular domain, while its cytoplasmic region shows a potential class I PDZ domain. CRTAM is expressed as a homodimer on the cell surface but does not show homotypic binding in trans. The high affinity of CRTAM/IGSF4 adhesion allows CRTAM to disrupt IGSF4 homotypic interactions. IGSF4 and T cell receptor coengagement of CD8 ⁺ cells expressing CRTAM induces increased IFN γ or IL-22 production.



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