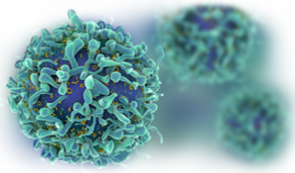

FCAR Protein Crystal

Catalog: CBCRY06

PRODUCT INFORMATION

Name	FCAR Protein Crystal
Cat No.	CBCRY06
Fragment	Residues 0-217
Protein Description	Extracellular fragment of Fc alpha Receptor I (CD89)
Background	Human FcalphaRI (CD89) is the receptor specific for IgA, an immunoglobulin that is abundant in mucosa and is also found in high concentrations in serum. Although FcalphaRI is an immunoglobulin Fc receptor (FcR), it differs in many ways from FcRs for other immunoglobulin classes. The genes of most FcRs are located on chr omosome 1 at 1q21-23, whereas FcalphaRI is on chromosome 19, at 19q13.4, a region called the leukocyte rec eptor complex, because it is clustered with several leukocyte receptor families including killer cell inhibitory re ceptors (KIRs) and leukocyte Ig-like receptors (LIRs). The amino acid sequence of FcalphaRI shares only 20% homology with other FcRs but it has around 35% homology with its neighboring LIRs and KIRs.
Protein Classification	Immune System
Structure Weight	25006.40 Da
Method	X-Ray Diffraction
Resolution	2.1 Å
Reference	Ding, Y., Xu, G., Yang, M., Yao, M., Gao, G.F., Zhang, W., Rao, Z. Crystal Structure of the Ectodomain of H uman Fc{alpha}RI.J.Biol.Chem. 2003; 278: 27966-27970

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