

## Extracellular fragment of Fc alpha Receptor I (CD89)

Cat. No. CBCRY06 Lot. No. (See product label)

### SPECIFICATION


<b>Source</b>	E.coli
<b>Background</b>	<p>Human FcαRI (CD89) is the receptor specific for IgA, an immunoglobulin that is abundant in mucosa and is also found in high concentrations in serum. Although FcαRI 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 chromosome 1 at 1q21-23, whereas FcαRI is on chromosome 19, at 19q13.4, a region called the leukocyte receptor complex, because it is clustered with several leukocyte receptor families including killer cell inhibitory receptors (KIRs) and leukocyte Ig-like receptors (LIRs). The amino acid sequence of FcαRI shares only 20% homology with other FcRs but it has around 35% homology with its neighboring LIRs and KIRs.</p>
<b>Protein Classification</b>	Immune System
<b>Structure Weight</b>	25006.40 Da
<b>Polymer</b>	1
<b>Molecule</b>	Immunoglobulin alpha Fc receptor
<b>Chain Length</b>	218 amino acids
<b>PDB ID</b>	<a href="#">1UCT</a>

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<b>MMDB ID</b>	24338
<b>Method</b>	X-Ray Diffraction
<b>Resolution</b>	2.1Å
<b>Reference</b>	Ding, Y., Xu, G., Yang, M., Yao, M., Gao, G.F., Zhang, W., Rao, Z. Crystal Structure of the Ectodomain of Human Fc{alpha}RI. <i>J.Biol.Chem.</i> 2003;278: 27966-27970
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	FCAR
<b>Synonyms</b>	XXbac-BPG230H20.5, CD89; Fc alpha receptor; IgA Fc receptor; OTTHUMP00000068692; OTTHUMP00000068696; OTTHUMP00000068697; OTTHUMP00000068698; CD89; CD89 antigen; Fc receptor; Fc fragment of IgA, receptor; IgA Fc receptor
<b>UniProt ID</b>	P24071
<b>Gene ID</b>	2204
<b>Chromosome Location</b>	19q13.2-q13.4
<b>Function</b>	IgA binding; receptor activity

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