

Recombinant Human FCAR Protein, His-tagged

Cat. No. FCAR-030H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCAR Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Fc (Ig constant fragment) receptors ensure protection of the host against foreign antigens, such as microorganisms and pathogens, by removing Ig-coated antigen complexes from circulation. Fc receptors are present on lymphoid and myeloid derivatives, where they mediate endocytosis of Ig-antigen complexes, antibody production in B cells through T cell antigen presentation, cytotoxicity and the release of cytokines and reactive oxygen species. CD89, also known as Immunoglobulin α Fc receptor (Fc α RI), is a glycoprotein that is expressed on the surface of neutrophils, monocytes, macrophages and eosinophils and is a potent cytotoxic trigger molecule. CD89 specifically interacts with aggregated IgAs, not IgG. Cytokines can initiate a high-binding state for CD89 through a mechanism that involves the intracellular C-terminus of CD89. Polymorphisms within the gene encoding CD89 may be associated with susceptibility to IgA nephropathy, a form of glomerulonephritis characterized by IgA antibody deposition in the kidney glomerulus.
Molecular Mass	~23 kDa
AA Sequence	QEGDFPMPFISAKSSPVIPLDGSVKIQCAIREAYLTQLMIKNSTYREIGRRLKFWNE TDPEFVIDHMDANKAGRYQCQYRIGHYFRYSDTLELVVTGLYGKPFLSADRGLVL

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	MPGENISLTCSSAHIPFDRFSLAKEGELSLPQHQSGEHPANFSLGPVDLNVSGIYRC YGWYNRSPYLWSFPSNALELVVTDSIHQDYTTQN
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

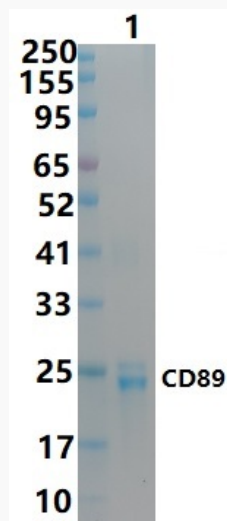
Gene Name	FCAR Fc fragment of IgA, receptor for [Homo sapiens (human)]
Official Symbol	FCAR
Synonyms	FCAR; Fc fragment of IgA, receptor for; immunoglobulin alpha Fc receptor; CD89; IgA Fc receptor; Fc alpha receptor;
Gene ID	2204
mRNA Refseq	NM_002000
Protein Refseq	NP_001991
MIM	147045
UniProt ID	P24071

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SDS-PAGE

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