

Recombinant Human FCAR Protein, His-tagged

Cat. No. FCAR-213H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCAR(22-227aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	22-227aa
Description	FCAR, also known as immunoglobulin alpha Fc receptor isoform, is a member of the multichain immune recognition receptor family which is the most abundant immunoglobulin in mucosal areas but is only the second most common antibody isotype in serum. It plays a role in both pro- and anti-inflammatory responses depending on the state of IgA bound. It is also an important Fc receptor for neutrophil killing of tumor cells. When FCAR expressing neutrophils come into contact with IgA-opsonized tumor cells, the neutrophils not only perform antibody-dependent cell-mediated cytotoxicity, but also release the cytokines TNF-alpha and IL-1beta which cause increased neutrophil migration to the site.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	24.5kDa (215aa) 28-40kDa (SDS-PAGE under reducing conditions)
AA Sequence	ADPQEGDFPM PFISAKSSPV IPLDGSVKIQ CQAIREAYLT QLMIKNSTY REIGRRLKFW NETDPEFVID HMDANKAGRY QCQYRIGHYR

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FRYSDTLELV VTGLYGKPFLL SADRGLVLMP GENISLTCSS AHIPFDRFSL
AKEGELSLPQ HQSGEHPANF SLGPVDLNVG GIYRCYGWYN
RSPYLWSFPS NALELVVTDS IHQDYTTQNH HHHHH

Purity > 85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.25mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name FCAR Fc fragment of IgA, receptor for [Homo sapiens]

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

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UniProt ID

P24071

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