

Recombinant Human FCAR protein, His & GST-tagged

Cat. No. FCAR-6909H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCAR aa. (Gln22~Asn227 (Accession # P24071)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln22~Asn227
Description	This gene is a member of the immunoglobulin gene superfamily and encodes a receptor for the Fc region of IgA. The receptor is a transmembrane glycoprotein present on the surface of myeloid lineage cells such as neutrophils, monocytes, macrophages, and eosinophils, where it mediates immunologic responses to pathogens. It interacts with IgA-opsonized targets and triggers several immunologic defense processes, including phagocytosis, antibody-dependent cell-mediated cytotoxicity, and stimulation of the release of inflammatory mediators. Multiple alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 6.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	FCAR Fc fragment of IgA receptor [Homo sapiens (human)]
Official Symbol	FCAR
Synonyms	FCAR; Fc fragment of IgA receptor; CD89; FcαRI; CTB-61M7.2; immunoglobulin alpha Fc receptor; FCAR variant 14; Fc alpha receptor; Fc fragment of IgA, receptor for
Gene ID	2204
mRNA Refseq	NM_002000.3

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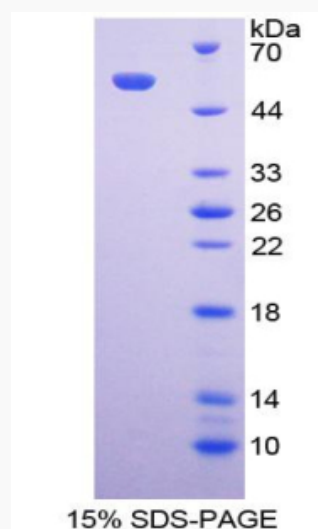
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Protein Refseq NP_001991.1

UniProt ID P24071

SDS-PAGE



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