

Recombinant Human Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide, His-tagged

Cat. No. FCER1A-311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	FCER1A, 26-205aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	26-205 a.a.
Description	The immunoglobulin epsilon receptor (IgE receptor) is the initiator of the allergic response. When two or more high-affinity IgE receptors are brought together by allergen-bound IgE molecules, mediators such as histamine that are responsible for allergy symptoms are released. This receptor is comprised of an alpha subunit, a beta subunit, and two gamma subunits. FCER1A represents the alpha subunit. Recombinant human FCER1A protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	23.4kDa (203aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSVPQKPKV SLNPPWNRIF KGENVTLTCTN GNNFFEVSST KWFHNGSLSE ETNSSLNIVN AKFEDSGEYK CQHQQVNESE PVYLEVFSDW LLLQASAEVV MEGQPLFLRC HGWRNWDVYK VIYYKDGEAL

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KYWYENHNIS ITNATVEDSG TYYCTGKVVQ LDYESEPLNI TVIKAPREKY WLQ

Purity >85% by SDS - PAGE

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

Concentration 0.25mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name FCER1A Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide [Homo sapiens]

Official Symbol FCER1A

Synonyms FCER1A; Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide; FCE1A; high affinity immunoglobulin epsilon receptor subunit alpha; Fc-epsilon RI-alpha; Fc epsilon RI alpha-chain; igE Fc receptor subunit alpha; Fc IgE receptor, alpha polypeptide; high affinity immunoglobulin epsilon receptor alpha-subunit; immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide; FcERI;

Gene ID 2205

mRNA Refseq NM_002001

Protein Refseq NP_001992

MIM 147140

UniProt ID P12319

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Chromosome Location	1q23
Pathway	Asthma, organism-specific biosystem; Asthma, conserved biosystem; Fc epsilon RI signaling pathway, organism-specific biosystem; Fc epsilon RI signaling pathway, conserved biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem;
Function	IgE binding; receptor activity;

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