

Recombinant Human FCER1A, GST-tagged

Cat. No. FCER1A-28166TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCER1A (1 a.a. - 257 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
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. The protein encoded by this gene represents the alpha subunit.
Molecular Mass	54.01 kDa
AA Sequence	MAPAMESPTLLCVALLFFAPDGVLA VPQPKVSLNPPWNRIFKGENVT LTCNGNNFF EVSSTKWFHNGSLSEETN SSLNIVNAKFEDSGEYKCQHQQVNESEPVYLEVFSDW LLLQASAEVVM EGQPLFLRCHGWRNWDVYKVIYYKDGE ALKYWYENHNISITNATV EDSGTY YCTGK VWQLDYESEPLNITVIKAPREKYWLQFFIPLL VVILFAVDTGLFIS TQ QQVTFL LKIKRTRKGFRL LNPHKPNPKNN
Applications	ELISA; WB-Re; AP; Array
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

Official Symbol FCER1A

Synonyms FCER1A; FCE1A; FcERI; Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide; 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

Gene ID 2205

mRNA Refseq NM_002001

Protein Refseq NP_001992

MIM 147140

UniProt ID P12319

Chromosome Location 1q23

Pathway Asthma; Fc epsilon RI signaling pathway; Fc epsilon receptor (FCERI) signaling

Function IgE binding; IgE receptor activity

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