Active Recombinant Human FCER1A protein, Fc-tagged

Cat. No. FCER1A-1460H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCER1A protein(Val26-Leu204), fused with Fc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	26-204 a.a.
Form	Lyophilized from 0.22 μm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5 with trehalose as protectant.
Bio-activity	Loaded Human Fc epsilon RI alpha, Fc Tag on AHC Biosensor, can bind Immunoglobulin E, Human Plasma with an affinity constant of 0.07 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a human IgG1 Fc tag at the C-terminusThe protein has a calculated MW of 47.3 kDa. The protein migrates as 55-85 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Val26-Leu204
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>95% as determined by SDS-PAGE. >90% as determined by SEC-MALS.

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Storage	For long term, the product should be stored at lyophilized state at -20°C or lower.Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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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