

Active Recombinant Human FCER2 Protein, His-Avi-tagged, Biotinylated

Cat. No. FCER2-5164H Lot. No. (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CD23, His Tag is expressed from HEK293 cells. It contains AA Asp 48 - Ser 321 (Accession # P06734-1). This protein carries a polyhistidine tag at the N-terminus, followed by an Avi tag.
Species	Human
Source	HEK293
ProteinLength	48-321 a.a.
Predicted N Terminal	His
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Immunoglobulin E, Human Plasma at 5 ug/mL (100 uL/well) can bind Biotinylated Human CD23, His Tag with a linear range of 0.313-5 ug/mL.
Molecular Mass	The protein has a calculated MW of 34.2 kDa. The protein migrates as 40-46 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by reduced SDS-PAGE.

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Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°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.
Conjugation	Biotin

GENE INFORMATION

Gene Name	FCER2 Fc fragment of IgE, low affinity II, receptor for (CD23) [Homo sapiens]
Official Symbol	FCER2
Synonyms	FCER2; Fc fragment of IgE, low affinity II, receptor for (CD23); CD23A, Fc fragment of IgE, low affinity II, receptor for (CD23A) , FCE2; low affinity immunoglobulin epsilon Fc receptor; CD23; CLEC4J; BLAST-2; CD23 antigen; fc-epsilon-RII; lymphocyte IgE receptor; immunoglobulin E-binding factor; C-type lectin domain family 4, member J; FCE2; CD23A; IGEBF;
Gene ID	2208
mRNA Refseq	NM_001207019

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MIM 151445

UniProt ID P06734

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