

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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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Protein Refseq	NP_001193948
MIM	151445
UniProt ID	P06734

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