

Recombinant Human Fc Fragment Of IgE, Low Affinity II, Receptor For (CD23)

Cat. No. FCER2-4979H **Lot. No.** (See product label)

SPECIFICATION

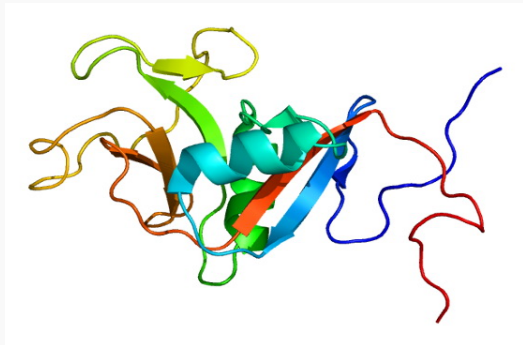
Product Overview	Recombinant humanFCER2 protein, was expressed in E. coli and purified by using conventionalchromatography techniques.
Species	Human
Source	Human
Description	FCER2, the lowaffinity receptor for IgE, belongs to the C-type lectin structural family andplays a role in the regulation of IgE synthesis and IgE mediated activities.It is found both as a transmembrane receptor protein and in a soluble form,which is generated by proteolytic cleavage of membrane bound FCER2. Thepredominant soluble form of FCER2 (sCD23) consists of 172 amino acidscorresponding to the extracellular domain of the full length precursor.sCD23, in addition to binding IgE, also exerts a number of IgE independentactivities, such as promoting the activation and differentiation of B-cellsand stimulating the release of pro-inflammatory cytokines from monocytes.
Form	Supplied as alyophilized powder.
Purity	> 96% pure bySDS-PAGE and HPLC
Sequence	Region of FCER2protein corresponding to amino acids MELQVSSGFV CNTCPEKWIN FQRKCYFYGKGTKQVWHARY ACDDMEGQLV SIHSPEEQDF LTKHASHTGS WIGLRNLDLK GEFIWVDGSH VDYSNWAPGEPTSRSQGEDC

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	VMMRGSGRWN DAFCDRLGA WVCDRLATCT PPASEGSAES MGPDSRPDPD GRLPTPSAPLHS.
Molecular Mass	19.2 kDa
Applications	Numerous applications are possible with this product and should be tested by the enduser under their own laboratory conditions.
Storage	Store at 4 deg C until reconstitution. Following reconstitution aliquot and freeze at -20 degC for long term storage. Avoid repeated freeze/thaw cycles.
Official Symbol	FCER2
GENE INFORMATION	
Gene Name	FCER2 Fc fragment of IgE, low affinity II, receptor for (CD23) [Homo sapiens]
Synonyms	FCER2; Fc fragment of IgE, low affinity II, receptor for (CD23); Immunoglobulin E-binding factor; Lymphocyte IgE receptor; BLAST-2; C-type lectin domain family 4 member J; CD23 antigen; Fc fragment of IgE, low affinity II, receptor for (CD23A); C-type lectin domain family 4, member J; fc-epsilon-R11; low affinity immunoglobulin epsilon Fc receptor; Fc-epsilon-R11; CD23; CD23A; IGEBF; CLEC4J; FCE2
Gene ID	2208
mRNA Refseq	NM_001207019
Protein Refseq	NP_001193948
MIM	608351

UniProt ID	P06734
Chromosome Location	19p13.3
Pathway	Hematopoietic cell lineage; Hematopoietic cell lineage; IL4-mediated signaling events; IL-3 Signaling Pathway
Function	IgE binding; integrin binding; metal ion binding; receptor activity; sugar binding; binding
PDB rendering based on 1t8c.	

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