

Recombinant Human FCER2 protein

Cat. No. FCER2-27253TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCER2 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	172
Description	The protein encoded by this gene is a B-cell specific antigen, and a low-affinity receptor for IgE. It has essential roles in B cell growth and differentiation, and the regulation of IgE production. This protein also exists as a soluble secreted form, then functioning as a potent mitogenic growth factor. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Form	Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH 7.4.
Bio-activity	Fully biologically active when compared to standard. The ED50 determined by its ability to induce TNF-alpha production by human PBMCs.
Molecular Mass	Approximately 19.2 kDa, a single non-glycosylated polypeptide chain containing 172 amino acids.
AA Sequence	MELQVSSGFVCNTCPEKWINFQRKCYFYGKGTKQVWHARYACDDMEGQLVSIHSP EEQDFLTkHASHTGSWIGLRNLDLKGEFIWVDGSHVDYSNWAPGEPTSRSQGEDC VMMRGSGRWNDAFCDRKLGAWVCDRLATCTPPASEGSAESMGPDSPDPDGRL

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	PTPSAPLHS
Endotoxin	Less than 0.1 EU/g of rHusCD23 as determined by LAL method.
Purity	>95% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	FCER2
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

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mRNA Refseq	NM_001207019
Protein Refseq	NP_001193948
MIM	151445
UniProt ID	P06734

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