

Recombinant Human FCER2 Protein

Cat. No. FCER2-539H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human FCER2 protein without tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	321
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
AA Sequence	MEEGQYSEIEELPRRRCCRRGTQIVLLGLVTAALWAGLLTLLLLWHWDTTQSLKQLE ERAARNVSQVSKNLESHHGDMQAQKSQSTQISQELEELRAEQRLKSQDLELSWN LNLQADLSSFKSQELNERNEASDLLERLREEVTKLRMELQVSSGFVCNTCPEKWI NFQRKCYFYGKGTKQWVHARYACDDMEGQLVSIHSPPEEQDFLTKHASHTGSWIGL RNLDLKGFEIWDGSHVDYSNWAPGEPTSRSQGEDCVMMRGSGRWNDADFCDRKL GAWVCDRLATCTPPASEGSAESMGPDSRPDPDGRLLPTPSAPLHS
Purity	> 98%

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Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	FCER2 Fc fragment of IgE, low affinity II, receptor for (CD23) [Homo sapiens (human)]
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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