

Active Recombinant Mouse Fc receptor-like 5, His-tagged

Cat. No. Fcrl5-503M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Fcrl5 protein was expressed in Murine myeloma cellline. Met1-Ala496, with a C-terminal 6-His tag.
Species	Mouse
Source	Mammalian Cells
Protein Length	1-496 a.a.
Description	Fcrl5 is a 90-95kDa member of the FCRL family of proteins whose amino acid (aa) sequence is reminiscent of that for classical Fc receptors. FCRL molecules are type 1 transmembrane proteins that contain from 3 to 9 immunoglobulin-like domains. They are differentially expressed within the B cell lineage, and can either promote or inhibit B cell proliferation and activation. Mature mouse Fcrl5 consists of a 470 aa extracellular domain (ECD), a 21 aa transmembrane segment, and a 79 aa cytoplasmic region. The ECD contains five Ig-like domains, while the cytoplasmic region possesses one ITAM-like motif and one immunotyrosine inhibitory motif (ITIM).
Form	Lyophilized from a 0.2 um filtered solution in PBS.
N-terminal Sequence	Gln27 predicted
Molecular Weight	53.5 kDa

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Activity	Measured by its ability to bind mouse IgG with an estimated KD < 400 nM.
Endotoxin Level	<1.0EU per 1µg of the protein by the LAL method.
SDS-PAGE	65-80kDa, reducing conditions.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Reconstitution	Reconstitute at 100µg/mL in PBS.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month, 2 to 8°C under sterile conditions after reconstitution. 3 months, -20 to -70°C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	Fcrl5 Fc receptor-like 5 [Mus musculus]
Official Symbol	Fcrl5
Synonyms	Fcrl5; Fcreceptor-like 5; Fcrh3; mBXMH2; Fcreceptor-like protein 5; moFcRH3; fcR-like protein 5; BXMAS1-like protein 2; fc receptor homolog 3; Fc receptor-like protein 3
Gene ID	329693
mRNA Refseq	NM_001113238
Protein Refseq	NP_001106709
UniProt ID	Q68SN8

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Chromosome Location	3
Pathway	T Cell Receptor Signaling Pathway
Function	molecular_function;receptor activity

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