

Active Recombinant Human Fc Receptor-Like 5, His-tagged

Cat. No. FCRL5-506H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCRL5 protein was expressed in Murine myeloma cellline. Gln16-Arg844, with a C-terminal 6-His tag.
Species	Human
Source	Mammalian Cells
Protein Length	16-844 a.a.
Description	FCRL5 is a 120 kDa protein with sequence homology to classical Fc receptors. They are differentially expressed within the B cell lineage and can either promote or inhibit B cell proliferation and activation. According to R&D Systems testing, FCRL5 binds to purified human IgG with high affinity. Mature human FCRL5 consists of a 836 amino acid (aa) extracellular domain (ECD) with nine Ig-like domains, a 21 aa transmembrane segment, and a 105 aa cytoplasmic domain with one immunotyrosine activation motif (ITAM) and two immunotyrosine inhibitory motifs (ITIMs).
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
N-terminal Sequence	Gln16 predicted
Molecular Weight	91.5 kDa
Activity	Measured by its ability to bind human IgG with an estimated $KD < 30$ nM.

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

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

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Endotoxin Level	<1.0EU per 1µg of the protein by the LAL method.
SDS-PAGE	110-120kDa, 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 [Homosapiens]
Official Symbol	FCRL5
Synonyms	FCRL5; Fc receptor-like 5; Fc receptor-like protein 5; BXMAS1; CD307e; FCRH5; IRTA2; BXMAS1; CD307 antigen; Fc receptor homolog 5; Fc receptor like 5; FcR-like protein 5; FCRL5_HUMAN; Immune receptor translocation-associated protein 2; Immunoglobulin receptor translocation associated gene 2 protein; Immunoglobulin superfamily receptor translocation associated gene 2 protein; UNQ503/PRO820; immunoglobulin superfamily receptor translocation associated 2 (IRTA2); CD307; PRO820; RP11-217A12.1
Gene ID	83416
mRNA Refseq	NM_001195388
Protein Refseq	NP_001182317

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MIM	605877
UniProt ID	Q96RD9
Chromosome Location	1q21
Function	receptor activity

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