

Active Recombinant Human Fc Receptor-Like 2, His-tagged

Cat. No. FCRL2-497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FCRL2 is expressed in Murine myeloma cell line, which has a molecule weight of 41.9kDa. Leu20 Asp395, with a Cterminal 6His tag.
Species	Human
Source	Mammalian Cells
Description	Fc receptorlike 2 (FCRL2), also known as FcRH2 and IRTA4, belongs to the family of glycoprotein homologs of classical immunoglobulin (Ig) Fc receptors. In human, the type I transmembrane FCRL protein family contains from three to nine immunoglobulinlike domains. Mature human FcRH2 consists of a 382 amino acid (aa) extracellular domain (ECD) with four Iglike C2set domains, a 21 aa transmembrane segment, and an 86 aa cytoplasmic domain with one ITAMlike, and two ITIMlike motifs. FCRL proteins are differentially expressed among B cells. FCRL2 is preferentially expressed on naïve and CD27+memory B cells within the spleen, lymph nodes, tonsils, and peripheral blood. It is also expressed on most B cells in B cell chronic lymphocytic leukemia (BCLL) patients. FCRL2 upregulation is associated with mutation of the immunoglobulin heavy chain variable (IGHV) and less aggressive forms of BCLL.
Form	Lyophilized from a 0.2µm filtered solution in PBS.
N-terminal Sequence	Leu20
Molecular Weight	41.9 kDa

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Activity	Measured by its ability to bind human IgG with an estimated KD < 80 nM.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Endotoxin Level	<1.0 EU per 1 µg of the protein by the LAL method.
Reconstitution	Reconstitute at 100 µg/mL in sterile 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.
Official Symbol	FCRL2

GENE INFORMATION

Gene Name	FCRL2 Fc receptor-like 2 [Homosapiens]
Synonyms	FCRL2; Fc receptor-like2; FCRH2; IFGP4; IRTA4; SPAP1; CD307b; SPAP1A; SPAP1B; SPAP1C; CD307b antigen; Fc receptor-like protein 2; fcR-like protein 2; IFGP family protein 4; fc receptor homolog 2; immunoglobulin superfamily Fc receptor, gp42; SH2 domain containing phosphatase anchor protein 1; SH2 domain-containing phosphatase anchor protein 1; immune receptor translocation-associated protein 4; immunoglobulin receptor translocation-associated protein 4; OTTHUMP00000020928; OTTHUMP00000020931
Gene ID	79368
mRNA Refseq	NM_030764

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Protein Refseq	NP_110391
MIM	606509
UniProt ID	Q96LA5
Chromosome Location	1q21
Function	SH3/SH2 adaptor activity;receptor activity

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