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Recombinant Human FCRL2/FCRH2 /IRTA4 Protein

Catalog No.: RP01984 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	79368	Q96LA5

Tags
C-6His

Synonyms
FCRL2; FCRH2; IFGP4; IRTA4; SPAP1; UNQ9236/PRO31998; Fc receptor-like protein 2; FcR-like protein 2; FcRL2; Fc receptor homolog 2; FcRH2; IFGP family protein 4; Immunoglobulin receptor translocation-associated protein 4; SH2 domain-containing phosphatase anchor protein 1; CD307b

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

Calculated MW	Observed MW
41.89 KDa	60-75 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

☎ | 400-999-6126

Background

FCRL2/FCRH2 /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 immunoglobulin-like domains . Mature human FcRH2 consists of a 382 amino acid (aa) extracellular domain (ECD) with four Ig-like C2-set domains, a 21 aa transmembrane segment, and an 86 aa cytoplasmic domain with one ITAM-like, and two ITIM-like motifs. Alternate splicing of human FCRL2 may generate isoforms with N-terminal, internal, or C-terminal deletions . The gene for FcRH2 maps to the human Iq21-23 locus which is a hotspot for chromosomal translocation events associated with B cell malignancies . Although there are several Fc receptor-like genes in the mouse, none of these is a clear ortholog to human FCRL2 . 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 (B-CLL) patients. FCRL2 upregulation is associated with mutation of the immunoglobulin heavy chain variable (IGHV) and less aggressive forms of B-CLL.

Basic Information

Description
Recombinant Human FCRL2/FCRH2 /IRTA4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu20-Asp395) of Human FCRL2/FCRH2 /IRTA4 (Accession #NP_110391.2) fused with His at the C-terminus.

Bio-Activity

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ for up to 1 week.
Avoid repeated freeze/thaw cycles.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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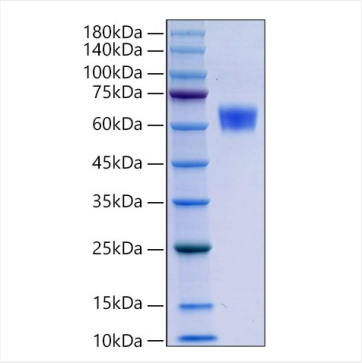
Validation Data



Recombinant Human FCRL2/FCRH2 /IRTA4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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