Recombinant Human FCRL2/FCRH2 /IRTA4 Protein

Catalog No.: RP01984

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Sequence Information

Species
Human

Gene ID
79368

Swiss Prot
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
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
41.89 KDa

Observed MW
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.

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.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

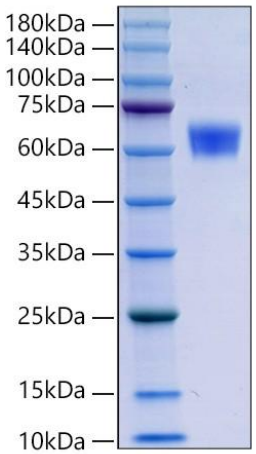
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

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Validation Data



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