



Recombinant Protein Technical Manual

Recombinant Human FCRL1 Protein (His Tag)

RPES2774

Product Data:

Product SKU: RPES2774

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q96LA6

Protein Information:

Molecular Mass: 32.2 kDa

AP Molecular Mass: 39-50 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Fc Receptor-Like Protein 1; FcR-Like Protein 1; FCRL1; Fc Receptor Homolog 1; FcRH1; IFGP Family Protein 1; hIFGP1; Immune Receptor Translocation-Associated Protein 5; CD307a; FCRL1; FCRH1; IFGP1; IRTA5

Immunogen Information:

Sequence: Ala17-Asn303

Background:

Fc Receptor-Like Protein 1 (FCRL1) is a single-pass type I membrane protein that may function as an activating coreceptor in B cells. FCRL1 is primarily expressed in secondary lymphoid tissues by mature subsets of B cells. It can be detected in the spleen, lymph node, heart, skeletal muscle, kidney, liver and placenta. It is specifically expressed by mature B lineage cells with higher expression at the protein level in naive B cells compared to memory B cells. FCRL1 contains three extracellular C2-like immunoglobulin domains, a transmembrane domain, and a cytoplasmic domain with two immunoreceptor-tyrosine activation motifs and may play a role in the regulation of cancer cell growth.