



# Recombinant Protein Technical Manual

## Recombinant Mouse FCRL1 Protein (aa 17-219, His Tag)

RPES4832

### Product Data:

**Product SKU:** RPES4832

**Size:** 10µg

**Species:** Mouse

**Expression host:** Human Cells

**Uniprot:** Q8R4Y0

### Protein Information:

**Molecular Mass:** 22.5 kDa

**AP Molecular Mass:** 55 kDa

**Tag:** C-6His

**Bio-activity:**

**Purity:** > 95 % as determined by 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 PBS, pH7.4.

**Reconstitution:** Please refer to it for detailed information.

**Application:**

**Synonyms:** Fc receptor-like protein 1; FcR-like protein 1; FcRL1; BXMAS1-like protein 1; mBXMH1; Fc receptor homolog 1; FcRH1; moFcRH1; IFGP family protein 1; mIFGP1; CD307a; Bxmas1; Bxmh1; Bxmh1b; Fcrh1; Fcrh1l; Fcrh1s; ifgp1 Protein

## Immunogen Information:

**Sequence:** Ala17-Ser219

## Background:

Mouse Fc receptor-like protein 1 (FCRL1) is a single-pass type I membrane protein. It is expressed in B-cells at the various stages of differentiation. Mouse FCRL1 consists of a 203 amino acid (aa) extracellular domain (ECD) with two Ig-like domains, a 21 aa transmembrane segment, and a 103 aa cytoplasmic domain with two immunotyrosine activation motifs (ITAMs). FCRL1 is likely not a receptor for immunoglobulin. It may function as an activating coreceptor in B-cells and B-cells differentiation.