

## Recombinant Mouse FCRL1 Protein (aa 1-204, His Tag)

**Catalog Number:** PKSM040425

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

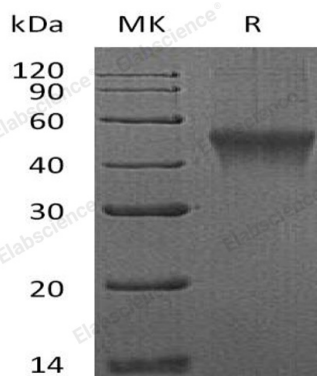
### Description

<b>Species</b>	Mouse
<b>Source</b>	HEK293 Cells-derived Mouse FCRL1 protein Met1-Thr204, with an C-terminal His
<b>Calculated MW</b>	21.6 kDa
<b>Accession</b>	Q8R4Y0-2
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, 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.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Fc receptor-like protein 1, also known as FcR-like protein 1, Fc receptor homolog 1, IFGP family protein 1, Immune receptor translocation-associated protein 5 and FCRL1, is a single-pass type I membrane protein which contains three Ig-like C2-type (immunoglobulin-like) domains. It is a cell-surface membrane protein belonging to FCRL family and is preferentially expressed on B cells. FCRL1 is primarily expressed in secondary lymphoid tissues by mature subsets of B cells. It is detected in spleen, lymph node, heart, skeletal muscle, kidney, liver and placenta. FCRL1 is specifically expressed by mature B lineage cells with higher expression in naive versus memory B cells (at protein level). Human Fc receptor-like molecules (FCRL1, FCRL2, FCRL3, FCRL4, FCRL5) have tyrosine-based immunoregulatory potential and are expressed by B-lineage subpopulations. FCRL1 may function as an activating coreceptor in B cells. It may also function in B cells activation and differentiation.

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