



# Recombinant Protein Technical Manual

## Recombinant Human LILRA5 Protein (Fc Tag)

RPES3212

### Product Data:

**Product SKU:** RPES3212

**Size:** 20µg

**Species:** Human

**Expression host:** HEK293 Cells

**Uniprot:** NP\_067073.1

### Protein Information:

**Molecular Mass:** 52 kDa

**AP Molecular Mass:**

**Tag:** C-Fc

**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 sterile PBS, pH 7.4

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

**Application:**

**Synonyms:** Leukocyte immunoglobulin-like receptor subfamily A member 5; CD85 antigen-like family member F; Immunoglobulin-like transcript 11; ILT1; Leukocyte immunoglobulin-like receptor 9; LIR-9; CD85f; LILRA5; LILRB7;CD85F;ILT11;LILRB7;LIR-9;LIR9

## Immunogen Information:

**Sequence:** Met 1-Arg268

## Background:

LILRA5 is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LILR are a family of receptors possessing extracellular immunoglobulin domains. They are also known as CD85, ILTs and LIR, and can exert immunomodulatory effects on a wide range of immune cells. ILT1 contains 2 Ig-like C2-type (immunoglobulin-like) domains. It can be detected in tissues of the hematopoietic system, including bone marrow, spleen, lymph node and peripheral leukocytes. Crosslink of ILT1 on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses.