

## HUMAN LILRA5 PROTEIN, HFC TAG

**Cat.#:** 11755

**Product Name:** Human LILRA5 Protein

**Size:** 10 µg, 50 µg and 100 µg

**Synonyms:** CD85;CD85F;ILT-11;ILT11;LILRB7;LIR-9;LIR9

**Target:** LILRA5

**UNIPROT ID:** A6NI73

**Description:** Recombinant human LILRA5 protein with C-terminal human Fc tag

**Background:** The protein encoded by this gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LIR family members are known to have activating and inhibitory functions in leukocytes. Crosslink of this receptor protein 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. This gene is one of the leukocyte receptor genes that form a gene cluster on the chromosomal region 19q13.4. Four alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]

**Species/Host:** HEK293

**Molecular Weight:** The protein has a predicted molecular mass of 50.49 kDa after removal of the signal peptide.

**Molecular Characterization:** LILRA5 (Gly42-R268) hFc(Glu99-ALA330)

**Purity:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.