

## 32-8979: Recombinant Human LILRA5/CD85f (C-6His)

**Gene :** LILRA5  
**Gene ID :** 353514  
**Uniprot ID :** A6NI73

### Description

Source: Human Cells.

MW :26.1kD.

Recombinant Human Leukocyte Immunoglobulin-like Receptor Subfamily A Member 5 is produced by our Mammalian expression system and the target gene encoding Gly42-Arg268 is expressed with a 6His tag at the C-terminus. Leukocyte Immunoglobulin-like Receptor Subfamily A Member 5(LILRA5) is a member of the leukocyte immunoglobulin-like receptors (LILR), comprise a family of activating and inhibitory type immunoreceptors. LILRA5 consists of a 227 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 10 aa cytoplasmic tail. The ECD contains two Ig-like domains and the transmembrane segment contains a positively charged aspartic acid residue which may mediate its association with the signaling molecule, FcR common gamma chain. LILRA5 is expressed by monocytes, macrophages, and neutrophils. Cross-linking of LILRA5 on monocytes induces the expression of pro-inflammatory cytokines (IL-1beta, IL-6, TNF-alpha) as well as the anti-inflammatory IL-10. It can be detected in tissues of the hematopoietic system, including bone marrow, spleen, lymph node and peripheral leukocytes. Crosslink of ILT-11 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** GNLSKATLWAEPGSVISRGNSVTIRCQGTLEAQEYRLVKEGSPEPWDTONPLEPKNKARFSIPSMTEHHAGRYR  
CYYYS PAGWSEPSDPLELVVTGFYNKPTLSALPSPVVTSGENVTLQCGSRLRFDRFILTEEGDHKLSWTLDSQLT  
PSGQFQALFPVGPVTPSHRWMLRCYGSRRHILQVWSEPSDLLEIPVSGAADNLSPSQNKSDSGTASHLQDYAV  
ENLIRHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.