

**Synonym**

LILRA1,LIR6,CD85i,LIR-6

**Source**

Human LILRA1, His Tag(LI1-H52H3) is expressed from human 293 cells (HEK293). It contains AA Pro 17 - Asn 461 (Accession # [O75019-1](#)).

Predicted N-terminus: Pro 17

**Molecular Characterization**

LILRA1(Pro 17 - Asn 461) O75019-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 50.4 kDa. The protein migrates as 65-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

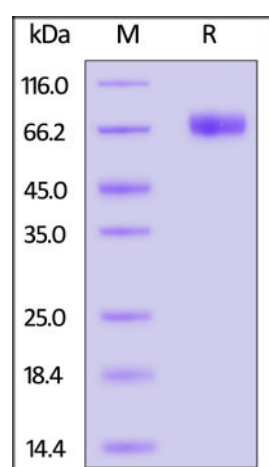
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

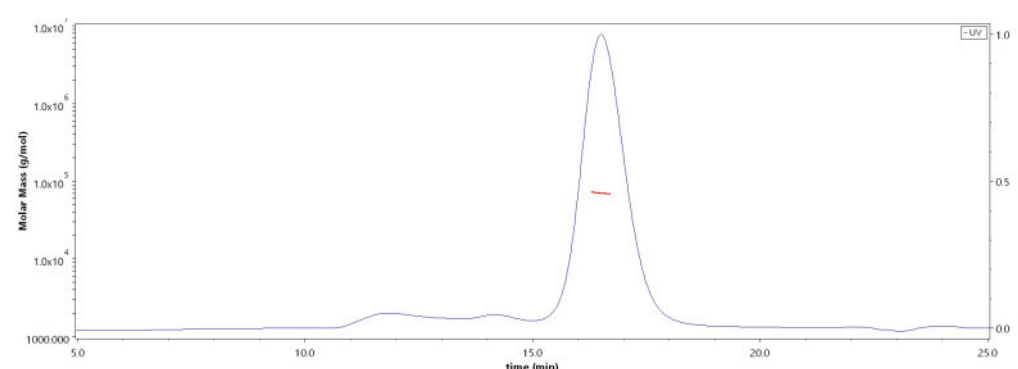
*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

Human LILRA1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

**SEC-MALS**

The purity of Human LILRA1, His Tag (Cat. No. LI1-H52H3) is more than 85% and the molecular weight of this protein is around 60-75 kDa verified by SEC-MALS.

[Report](#)

**Background**

Leukocyte immunoglobulin-like receptors (LILRs) are inhibitory, stimulatory or soluble receptors encoded within the leukocyte receptor complex. Some LILRs are extensively polymorphic, and exhibit evidence for balancing selection and association with disease susceptibility. LILRA1 (LIR-6) can recognize MHC (major histocompatibility complex) class I or class I-like molecules, and high levels of sequence similarity among LILRA1, LILRA2 (ILT1), LILRA3 (ILT6) and LILRB1/B2.

### Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.