

Synonym

LILRA6,CD85b,ILT8,ILT-8

Source

Human LILRA6, His Tag(LI6-H52H3) is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Asn 447 (Accession # [Q6PI73-1](#)).

Predicted N-terminus: Gly 24

Molecular Characterization

LILRA6(Gly 24 - Asn 447) Q6PI73-1	Poly-his
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This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 48.2 kDa. The protein migrates as 64-70 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.

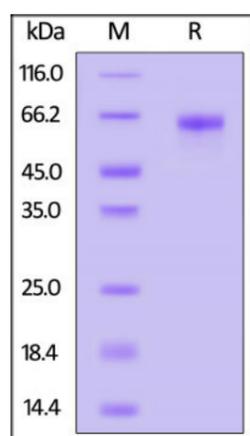
Storage

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

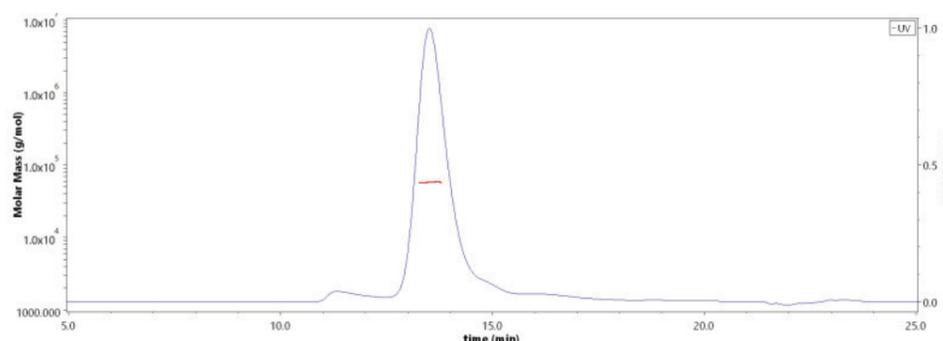
Please avoid repeated freeze-thaw cycles.

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 LILRA6, 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 LILRA6, His Tag (Cat. No. LI6-H52H3) is more than 85% and the molecular weight of this protein is around 49-66 kDa verified by SEC-MALS.

[Report](#)

Background

The LILRs are a family of receptors that regulate the activities of myelomonocytic cells. LILRB3 and LILRA6 represent a pair of inhibitory/activating receptors with identical extracellular domains and unknown ligands. LILRB3 (ILT5) and LILRA6 (ILT8) are highly polymorphic receptors with similar extracellular domains. LILRA6 can signal through association with an activating adaptor molecule, FcR γ , which bears a cytoplasmic tail with an immunoreceptor tyrosine-based activation

motif. Analysis of mRNA expression in the major fractions of PBMCs showed that LILRA6 is primarily expressed in monocytes, and its expression level correlates with copy number of the gene.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.