Human LILRB3 / CD85a / ILT5 Protein, His Tag (MALS verified)

Catalog # CDA-H52H9

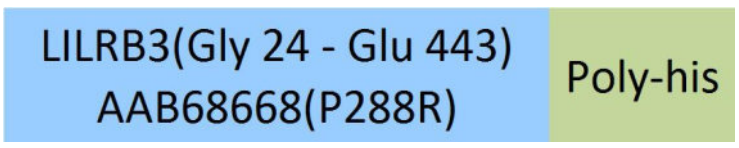
Synonym

LILRB3,CD85a,ILT5

Source

Human LILRB3, His Tag(CDA-H52H9) is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Glu 443 (Accession # AAB68668 (P288R)). Predicted N-terminus: Gly 24

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 48 kDa. The protein migrates as 60-78 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Purity

>92% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

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

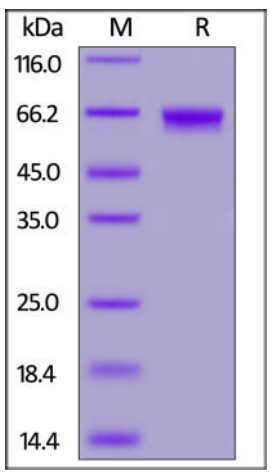
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

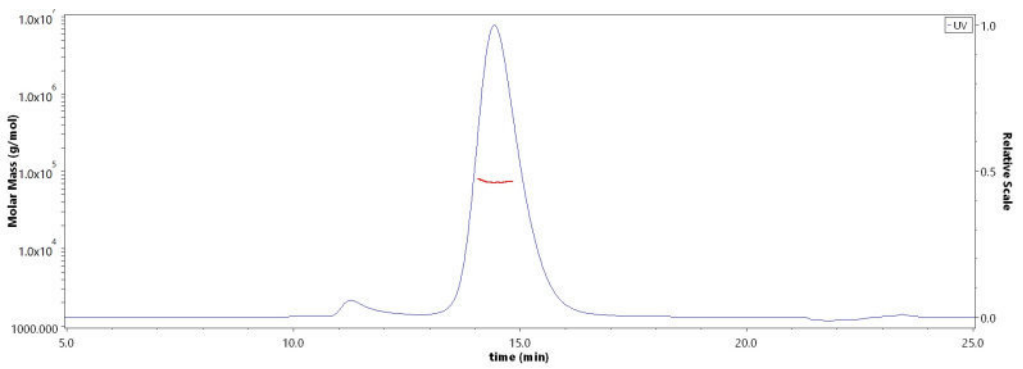
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human LILRB3, 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 92%.

SEC-MALS



The purity of Human LILRB3, His Tag (Cat. No. CDA-H52H9) is more than 90% and the molecular weight of this protein is around 63-83 kDa verified by SEC-MALS.
Report

Background

Leukocyte immunoglobulin-like receptor subfamily B member 3 is also known as LILRB3,ILT-5 or CD85a. LILRB3 plays an role as receptor for class I MHC antigens, which activated upon coligation of LILRB3 and immune receptors, such as FCGR2B and the B-cell receptor. LILRB3 and LILRA6 represent a pair of

inhibitory/activating receptors with identical extracellular domains and unknown ligands. LILRB3 can mediate inhibitory signaling via immunoreceptor tyrosine-based inhibition motifs in its cytoplasmic tail whereas LILRA6 can signal through association with an activating adaptor molecule, FcRγ.

Clinical and Translational Updates

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