



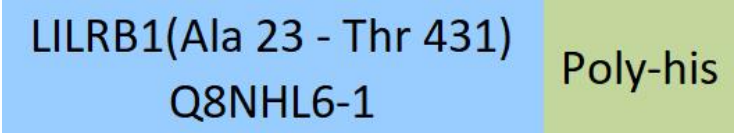
Synonym

CD85J,LILRB1,CD85,ILT2,LIR1,MIR7

Source

Human LILRB1 (23-431) Protein, His Tag(CDJ-H52H6) is expressed from human 293 cells (HEK293). It contains AA Ala 23 - Thr 431 (Accession # [Q8NHL6-1](#)).
Predicted N-terminus: Ala 23

Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus.
The protein has a calculated MW of 46.5 kDa. The protein migrates as 58-63 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.
>95% 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

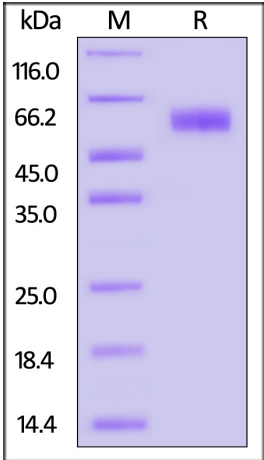
Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

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:

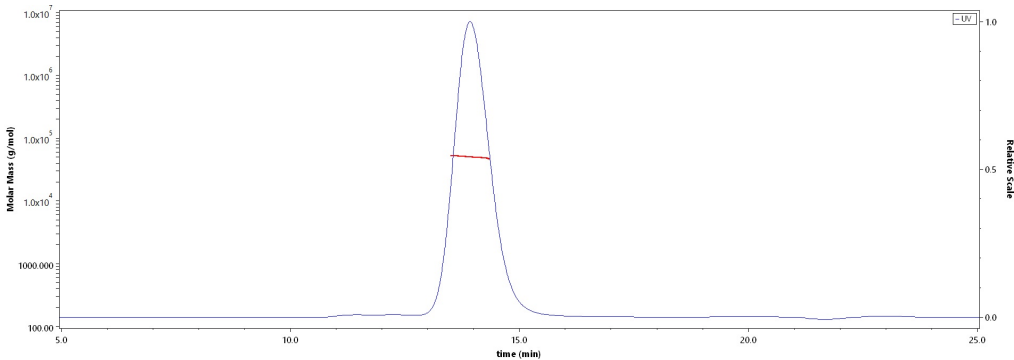
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human LILRB1 (23-431) Protein, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

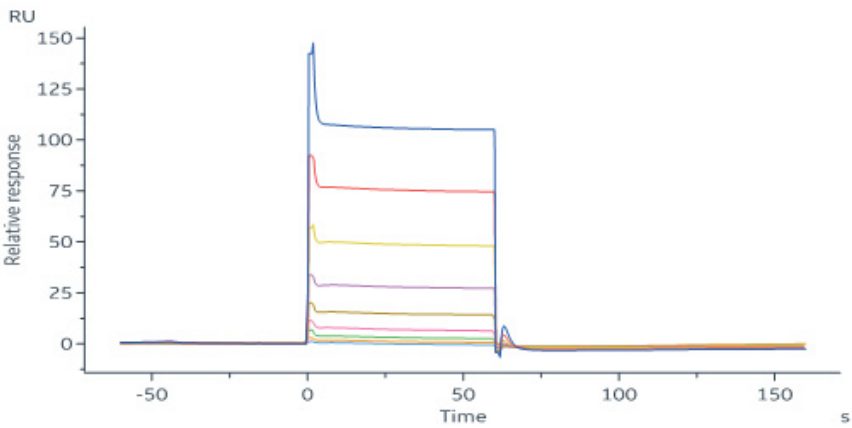
SEC-MALS



The purity of Human LILRB1 (23-431) Protein, His Tag (Cat. No. CDJ-H52H6) is more than 95% and the molecular weight of this protein is around 45-55 kDa verified by SEC-MALS.
[Report](#)

Bioactivity-SPR





Biotinylated Human HLA-G&B2M&Peptide (RIIPRHLQL) Complex Protein (Cat. No. HLM-H82E4) captured on Biotin CAP-Series S Sensor Chip can bind Human LILRB1 (23-431) Protein, His Tag (Cat. No. CDJ-H52H6) with an affinity constant of 6.31 μ M as determined in a SPR assay (Biacore 8K) (Routinely tested).

Background

This gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family, which is found in a gene cluster at chromosomal region 19q13.4. The encoded protein belongs to the subfamily B class of LIR receptors which contain two or four extracellular immunoglobulin domains, a transmembrane domain, and two to four cytoplasmic immunoreceptor tyrosine-based inhibitory motifs (ITIMs). The receptor is expressed on immune cells where it binds to MHC class I molecules on antigen-presenting cells and transduces a negative signal that inhibits stimulation of an immune response. It is thought to control inflammatory responses and cytotoxicity to help focus the immune response and limit autoreactivity. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

