

Synonym

LILRA3,ILT6,LIR4,CD85e

Source

Human LILRA3, His Tag (LI3-H52H4) is expressed from human 293 cells (HEK293). It contains AA Gly 24 - Glu 439 (Accession # [Q8N6C8-1](#)).

Predicted N-terminus: Gly 24

Molecular Characterization

LILRA3(Gly 24 - Glu 439) Q8N6C8-1	Poly-his
--------------------------------------	----------

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 46.9 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.

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.

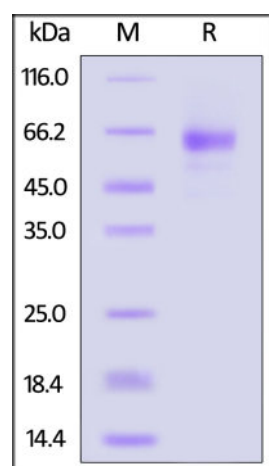
Storage

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 LILRA3, 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 90%.

Background

Leukocyte immunoglobulin-like receptor subfamily A member 3 (LILRA3) is also known as CD85 antigen-like family member E (CD85e), immunoglobulin-like transcript 6 (ILT-6), and leukocyte immunoglobulin-like receptor 4 (LIR-4) is a protein that in humans is encoded by the LILRA3 gene located within the leukocyte receptor complex on chromosome 19q13.4. Unlike many of its family, LILRA3 lacks a transmembrane domain, which contains 4 Ig-like C2-type (immunoglobulin-like) domains. LILRA3 acts as soluble receptor for class I MHC antigens. At the same time, LILRA3 can bind both classical and non-classical HLA class I molecules but with reduced affinities compared to LILRB1 or LILRB2. Also, LILRA3 can bind with high affinity to the surface of monocytes, leading to abolish LPS-induced TNF-alpha production by monocytes.

Clinical and Translational Updates

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