

Datasheet for ABIN7275178

LILRA3 Protein (AA 24-439) (His-Avi Tag,Biotin)[Go to Product page](#)**2** Images

Overview

| | |
|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | LILRA3 |
| Protein Characteristics: | AA 24-439 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This LILRA3 protein is labelled with His-Avi Tag,Biotin. |

Product Details

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|------------------|---|
| Purpose: | Biotinylated Human LILRA3/CD85e Protein |
| Sequence: | Gly24-Glu439 |
| Characteristics: | Recombinant Biotinylated Human LILRA3/CD85e Protein is expressed from HEK293 with His tag and Avi Tag at the C-Terminus.It contains Gly24-Glu439. |
| Purity: | > 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

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|-------------------|--|
| Target: | LILRA3 |
| Alternative Name: | LILRA3 (LILRA3 Products) |

Target Details

Background: Human LILRA3, also known as Leukocyte Ig-like receptor 4 (LIR-4), CD85 antigen-like family member E, Immunoglobulin-like transcript 6 (ILT-6) and monocyte inhibitory receptor HM43/HM31, is a 70 kD Ig superfamily member that belongs to the leukocyte receptor complex/cluster. Mature LILRA3 is 416 amino acids (aa) in length and contains four C2-type Ig-like domains. Unlike other LILR family members, LILRA3 is actively secreted. LILRA3 acts as soluble receptor for class I MHC antigens. LILRA3 binds both classical and non-classical HLA class I molecules but with reduced affinities compared to LILRB1 or LILRB2. Binds with high affinity to the surface of monocytes, leading to abolish LPS-induced TNF-alpha production by monocytes.

Molecular Weight: 47.9 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.

UniProt: [Q8N6C8](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.

Storage: -20 °C,-80 °C

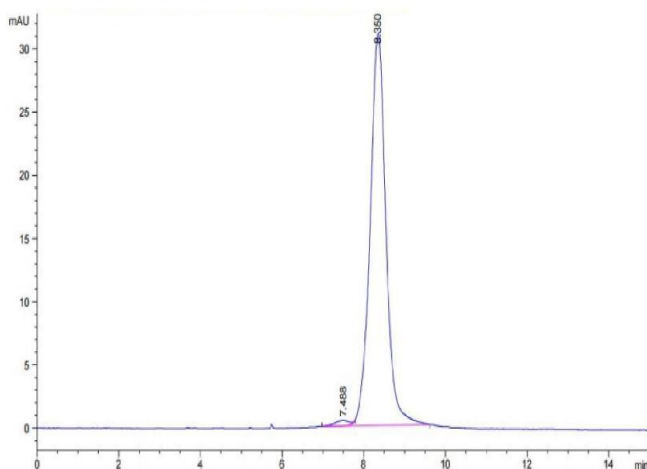
Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Biotinylated Human LILRA3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human LILRA3 is greater than 95 % as determined by SEC-HPLC.