

Datasheet for ABIN7275157

LILRB2 Protein (AA 24-457) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LILRB2
Protein Characteristics:	AA 24-457
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LILRB2 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus LILRB2/CD85d/ILT4 Protein
Sequence:	Gly24-Arg457
Characteristics:	Recombinant Cynomolgus LILRB2/CD85d/ILT4 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly24-Arg457.
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.
Biological Activity Comment:	The affinity constant of 852 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	LILRB2
Alternative Name:	LILRB2 (LILRB2 Products)
Background:	The immunoglobulin-like transcript (ILT) comprise a family of activating and inhibitory type immunoreceptors whose genes are located in the same locus that encodes killer cell Ig-like receptors (KIR). ILT4, also known as LIR-2 and LILRB2, is a type I transmembrane protein expressed primarily on monocytes and dendritic cells (DC). LILRB2 is a receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles.
Molecular Weight:	48.2 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_015297203
Pathways:	Cellular Response to Molecule of Bacterial Origin

Application Details

Restrictions:	For Research Use only
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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

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Cynomolgus LILRB2 is greater than 95 % as determined by SEC-HPLC.

SDS-PAGE

Image 2. Cynomolgus LILRB2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Surface Plasmon Resonance

Image 3. Cynomolgus LILRB2, His Tag immobilized on CM5 Chip can bind Cynomolgus HLA-G Complex Tetramer, His Tag with an affinity constant of 852 nM as determined in SPR assay (Biacore T200).

