

Datasheet for ABIN7274678

TNFSF18 Protein (AA 72-199) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	TNFSF18
Protein Characteristics:	AA 72-199
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFSF18 protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus GITR Ligand/TNFSF18 Protein
Sequence:	Gln72-Ser199
Characteristics:	Recombinant Cynomolgus GITR Ligand/TNFSF18 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln72-Ser199.
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 0.21 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	TNFSF18
Alternative Name:	GITR Ligand (TNFSF18 Products)
Background:	B-cell activating factor (BAFF) also known as tumor necrosis factor ligand superfamily member 13B is a protein that in humans is encoded by the TNFSF13B gene. BAFF is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for receptors TNFRSF13B/TACI, TNFRSF17/BCMA, and TNFRSF13C/BAFF-R.
Molecular Weight:	15.62 kDa. Due to glycosylation, the protein migrates to 17-27 kDa based on Tris-Bis PAGE result.
UniProt:	A0A7N9CM47

Application Details

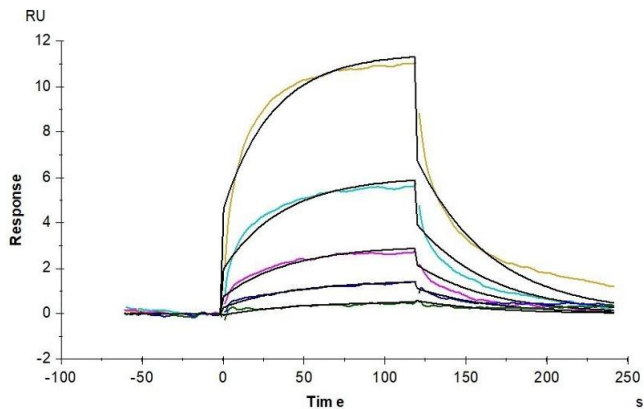
Restrictions:	For Research Use only
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Handling

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

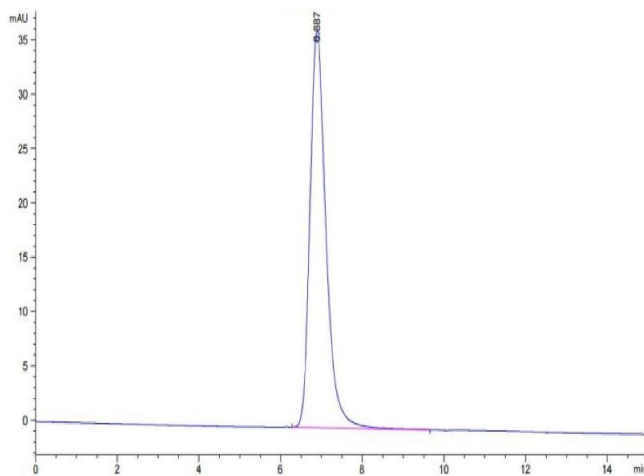
Surface Plasmon Resonance

Image 1. Cynomolgus GTR Ligand, His Tag immobilized on CM5 Chip can bind Cynomolgus GTR, His Tag with an affinity constant of 0.21 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus GTR Ligand is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Cynomolgus GTR Ligand on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

