

Datasheet for ABIN7275466

Prolactin Receptor Protein (PRLR) (AA 25-236) (His tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Prolactin Receptor (PRLR)
Protein Characteristics:	AA 25-236
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prolactin Receptor protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus PRLR Protein
Sequence:	Gln25-Thr236
Characteristics:	Recombinant Cynomolgus PRLR Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln25-Thr236.
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:	Immobilized Cynomolgus PRLR, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-PRLR Antibody, hFc Tag with the EC50 of 43.9ng/ml determined by ELISA. See testing image for detail.

Target Details

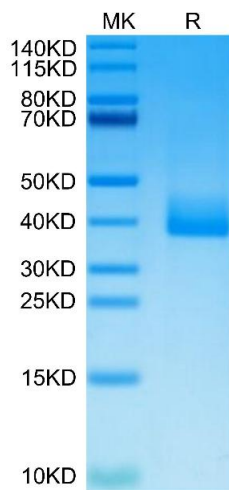
Target:	Prolactin Receptor (PRLR)
Alternative Name:	PRLR (PRLR Products)
Background:	Prolactin receptor (PRLR) is highly expressed in a subset of human breast cancer and prostate cancer, which makes it a potential target for cancer treatment. In clinical trials, the blockade of PRLR was shown to be safe but with poor efficacy. It is therefore urgent to develop new therapies against PRLR target. Bispecific antibodies (BsAbs) could guide immune cells toward tumor cells, and produced remarkable effects in some cancers.
Molecular Weight:	25.75 kDa. Due to glycosylation, the protein migrates to 35-50 kDa based on Tris-Bis PAGE result.
UniProt:	A0A2K5W XK1
Pathways:	JAK-STAT Signaling , Response to Growth Hormone Stimulus

Application Details

Restrictions:	For Research Use only
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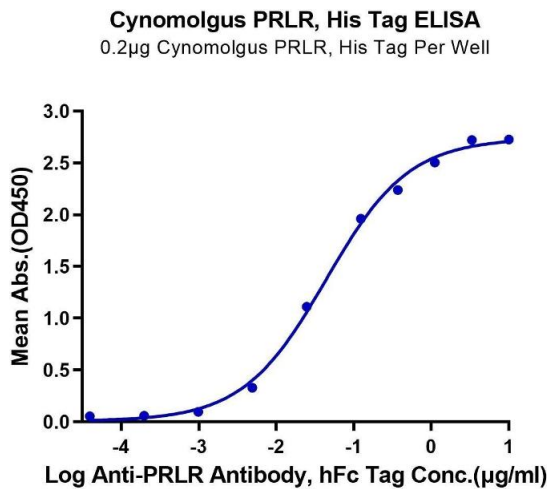
Handling

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 50 mM Tris, 150 mM NaCl (pH 7.5). 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



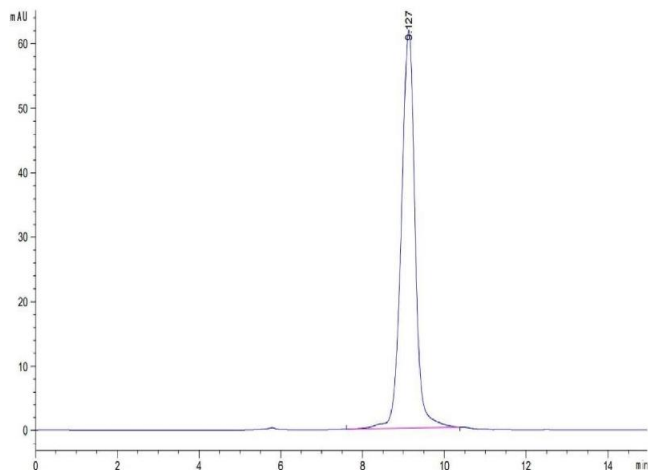
SDS-PAGE

Image 1. Cynomolgus PRLR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



ELISA

Image 2. Immobilized Cynomolgus PRLR, His Tag at 2 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-PRLR Antibody, hFc Tag with the EC50 of 43.9 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Cynomolgus PRLR is greater than 95 % as determined by SEC-HPLC.