# antibodies

## Datasheet for ABIN7275468 Prolactin Receptor Protein (PRLR) (AA 25-234) (His tag)



4 Images

## Overview

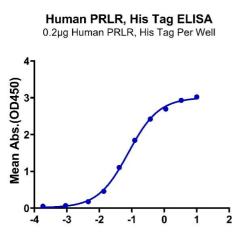
Quantity:	100 µg
Target:	Prolactin Receptor (PRLR)
Protein Characteristics:	AA 25-234
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Prolactin Receptor protein is labelled with His tag.

## Product Details

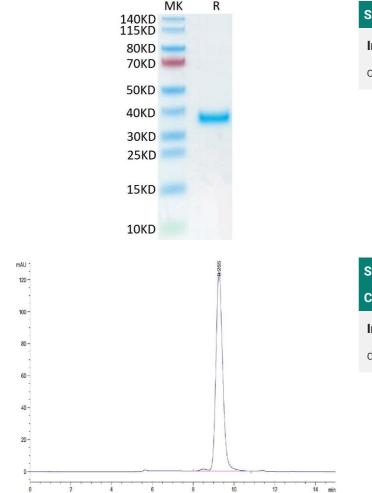
Purpose:	Human PRLR Protein
Sequence:	GIn25-Asp234
Characteristics:	Recombinant Human PRLR Protein is expressed from HEK293 with His tag at the C-Terminus.It contains Gln25-Asp234.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per $\mu$ g by the LAL method.
Biological Activity Comment:	Immobilized Human PRLR, His Tag at $2\mu g/ml$ (100 $\mu l/Well$ ) on the plate. Dose response curve
	for Anti-PRLR Antibody, hFc Tag with the EC50 of 78.7ng/ml determined by ELISA. The affinity
	constant of 0.96nM as determined in SPR assay (Biacore T200). See testing image for detail.

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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:	25.5 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
Pathways:	JAK-STAT Signaling, Response to Growth Hormone Stimulus
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu$ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 50 mM Tris, 150nM 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



Log Anti-PRLR Antibody, hFc Tag Conc.(µg/ml)



## **ELISA**

**Image 1.** Immobilized Human PRLR, His Tag at  $2 \mu g/mL$  (100  $\mu L/Well$ ) on the plate. Dose response curve for Anti-PRLR Antibody, hFc Tag with the EC50 of 78.7 ng/mL determined by ELISA.

## SDS-PAGE

**Image 2.** Human PRLR on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

# Size-exclusion chromatography-High Pressure Liquid Chromatography Image 3. The purity of Human PRLR is greater than 95 % as

determined by SEC-HPLC.

Please check the product details page for more images. Overall 4 images are available for ABIN7275468.

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