antibodies

Datasheet for ABIN6253657 Prolactin Receptor Protein (PRLR) (AA 25-234) (His tag)



Overview

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Images

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

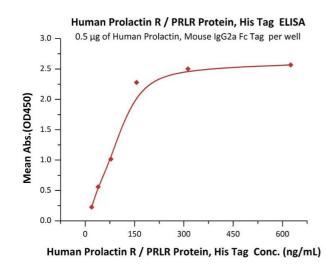
Product Details

Sequence:	AA 25-234
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 26.3 kDa. The protein migrates as 35-40 kDa under reducing (R) condition (SDS-PAGE) due to
	glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per μg by the LAL method.
Target Details	
Target:	Prolactin Receptor (PRLR)
Alternative Name:	Prolactin R (PRLR Products)

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Target Details	
Background:	As a transmembrane receptor, the prolactin receptor (PRL-R) interacts with prolactin. In
	addition, the PRL-R also binds and is activated by growth hormone (GH) and human placental
	lactogen (hPL). Preclinical investigations, epidemiological studies and analyses of tissue
	specimens from patients strongly support the contribution of prolactin receptor (PRLR)
	signaling to breast and prostate tumorigenesis and cancer progression. Moreover, The PRLR
	has been found to be essential for lobuloalveolar maturation of the mammary glands during
	pregnancy, as evidenced by the fact that PRLR knockout mice show severely impaired
	development of lobuloalveolar structures.
Molecular Weight:	26.3 kDa
NCBI Accession:	NP_000940
Pathways:	JAK-STAT Signaling, Response to Growth Hormone Stimulus
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Buffer:	50 mM Tris, 150 mM NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C

Images



ELISA

Image 1. Immobilized Human Prolactin, Mouse IgG2a Fc Tag, low endotoxin (ABIN6253198,ABIN6253591) at 5μ g/mL (100 μ L/well) can bind Human Prolactin R, His Tag (ABIN5674643,ABIN6253657) with a linear range of 20-156 ng/mL (QC tested).

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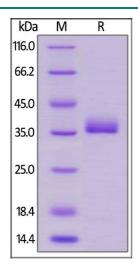
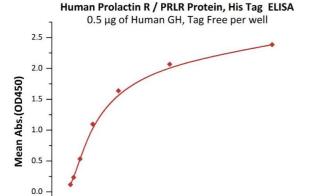




Image 2. Human Prolactin R, His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .

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Image 3. Immobilized Human GH, Tag Free at 5 μ g/mL (100 μ L/well) can bind Human Prolactin R, His Tag (ABIN5674643,ABIN6253657) with a linear range of 0.313-5 μ g/mL (Routinely tested).



Human Prolactin R / PRLR Protein, His Tag Conc. (µg/mL)

12

15

18

21

9

0

3

6

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