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Datasheet for ABIN7534027

Prolactin Receptor Protein (PRLR) (His tag)

Overview

Quantity:	100 µg
Target:	Prolactin Receptor (PRLR)
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

Purpose:	Active Recombinant Human Prolactin receptor/PRL-R Protein
Sequence:	QLPPGKPEIF KCRSPNKETF TCWWRPGTDG GLPTNYSLTY HREGETLMHE CPDYITGGPN SCHFGKQYTS MWRTYIMMVN ATNQMGSFS DELYVDVTYI VQDPPELELA VEVKQPEDRK PYLWIKWSPP TLIDLKTGWF TLLYEIRLKP EKAAEWEIHF AGQQTEFKIL SLHPGQKYL QVRCKPDHGY WSAWSPATFI QIPSDFTMND
Specificity:	Gln25-Asp234
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human PRLR/Prolactin Receptor at 1 µg/mL (100 µL/well) can bind Prolactin Receptor Rabbit mAb with a linear range of 0.67-3.45 ng/mL.

Target Details

Target:	Prolactin Receptor (PRLR)
Alternative Name:	Prolactin receptor/PRL-R (PRLR Products)
Background:	<p>Description: The protein is a receptor for the anterior pituitary hormone, prolactin, and belongs to the type I cytokine receptor family. Prolactin-dependent signaling occurs as the result of ligand-induced dimerization of the prolactin receptor. Several alternatively spliced transcript variants encoding different membrane-bound and soluble isoforms have been described for this gene, which may function to modulate the endocrine and autocrine effects of prolactin in normal tissue and cancer.</p> <p>Name: HPRL, MFAB, hPRLr1,PRLR,MFAB,hPRLr1</p>
Gene ID:	5618
UniProt:	P16471
Pathways:	JAK-STAT Signaling , Response to Growth Hormone Stimulus

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	<p>Store the lyophilized protein at -20°C to -80 °C for long term.</p> <p>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.</p>