

Recombinant Human Prolactin receptor/PRL-R Protein

Catalog No.: RP00128

Sequence Information

Species **Gene ID**
Human 5618

Swiss Prot **Tags**
P16471 C-His

Synonyms

HPRL, MFAB, hPRLrI, PRLR, MFAB, hPRLrI

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
25.26 kDa 35–40 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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.

Background

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.

Basic Information

Description

Recombinant Human Prolactin receptor/PRL-R Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln25–Asp234) of human PRLR/Prolactin Receptor (Accession #NP_000940.1) fused with a 6×His tag at the C-terminus.

Activity

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.

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

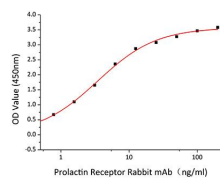
Contact

☎ | 400-999-6126

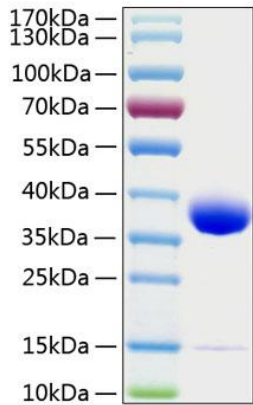
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Validation Data



Immobilized Human PRLR/ProLactin Receptor at 1μg/mL (100μL/well) can bind Prolactin Receptor Rabbit mAb with a linear range of 0.67–3.45 ng/mL.



Recombinant Human Prolactin receptor/PRL-R Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.