

Recombinant Rat Prolactin Receptor, chiMAX Fc Fusion Protein

Cat. No. Prlr -100R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Prolactin is a neuroendocrine peptide hormone that is secreted primarily by the pituitary gland.
Species	Rat
Source	Insect Cells
Description	Prolactin receptor is a class 1 cytokine transmembrane receptor that varies in size with tissue source and species. It consists of an extracellular region with 5 cysteines which contains the prolactin binding site, a single transmembrane domain and a cytoplasmic region. The extracellular domain (Ser21-Asp229) is expressed recombinantly, purified by chromatography, sterile filtered and lyophilized.
Form	Lyophilized powder
Molecular Mass	51,000
Purity	>95% by SDS-PAGE analysis
Characteristic	ED50< 50="" ng/ml="" in="" the="" presence="" of="" 0.5="" ng/ml="" of="" recombinant="" human="" prolactin="" as="" determined="" in="" a="" cell="" proliferation="" assay="" using="" nb2-11="" rat="" lymphoma="">
Usage	For in vitro laboratory use only

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Notes	Optimal experimental conditions and working dilutions must be determined by the end user. Sample concentration and volume are for example purposes only and do not necessarily represent the product that will be received. Please contact us for a current lot-specific product datasheet.
Storage	-70°C
Storage Buffer	PBS
Shipping	Cold pack

GENE INFORMATION

Gene Name	Prlr prolactin receptor [Rattus norvegicus]
Official Symbol	Prlr
Synonyms	PRLR; prolactin receptor; PRL-R; lactogen receptor; RATPRLR; MGC105486;
Gene ID	24684
mRNA Refseq	NM_001034111
Protein Refseq	NP_001029283
UniProt ID	P05710
Chromosome Location	2q16
Pathway	Adipogenesis, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved

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biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function

metal ion binding; peptide hormone binding; prolactin receptor activity; prolactin receptor activity; protein kinase binding; receptor activity;

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