

Active Recombinant Human Prolactin Receptor, chiMAX Fc Fusion Protein

Cat. No. PRLR-76H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

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 (Gln25-Asp234) is expressed recombinantly, purified by chromatography, sterile filtered and lyophilized. This chiMAX Fc Fusion Protein is glycosylated and expressed as a chimera with the Fc region of mouse immunoglobulin (heavy chain hinge, CH2 and CH3). Fc fusion proteins are typically more stable and resistant to degradation and clearance than native cytokines. Fc fusion proteins appear as a dimer in SDS-PAGE under non-reducing conditions.

Species Human

Source Insect Cells

ProteinLength 25-234 a.a.

Form Lyophilized powder

Molecular Mass 51,000

Purity >95% by SDS-PAGE analysis

Characteristic ED₅₀ < 1 μg/ml in the presence of 0.5 ng/ml of

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recombinant="" human="" prolactin="" as="" determined="" in="" a="" cell="" proliferation="" assay="" using="" nb2-11="" rat="" lymphoma="">

Usage For in vitro laboratory use only

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 \[Homo sapiens \]](#)

Official Symbol PRLR

Synonyms PRLR; prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein; hPRLrl;

Gene ID [5618](#)

mRNA Refseq [NM_000949](#)

Protein Refseq [NP_000940](#)

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|----------------------------|---|
| MIM | 176761 |
| UniProt ID | P16471 |
| Chromosome Location | 5p14-p13 |
| Pathway | Adipogenesis, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; ErbB4 signaling events, organism-specific biosystem; Growth hormone receptor signaling, organism-specific biosystem; Immune System, organism-specific biosystem; |
| Function | cytokine receptor activity; metal ion binding; ornithine decarboxylase activator activity; peptide hormone binding; prolactin receptor activity; protein homodimerization activity; receptor activity; |

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