

Recombinant Human PRLR protein, GST-tagged

Cat. No. PRLR-59H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRLR(1 a.a. - 622 a.a.) fused with GST tag at N-terminal was expressed in NS0.
Species	Human
Source	Wheat Germ
ProteinLength	1 a.a. - 622 a.a.
Description	This gene encodes 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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	95.9 kDa
AA Sequence	MKENVASATVFTLLLFLNTCLLNGQLPPGKPEIFKCRSPNKETFTCWWRPGTDGGL PTNYSPTYHREGETLMHEC PDYITGGPNSCHFGKQYTSMWRTYIMMVNATNQMG SSFSDELYVDVTYIVQDPPLLEAVEVKQPEDRKPYLWIK WSPPTLIDLKTGWFTLL YEIRLKPEKAAEWEIHFAQQTEFKILSLHPGQKYLQVVRCKPDHGYWSAWSPATFI Q IPSDFTMNDTTWISVAVLSAVICLIIVWAVALKGYSMVTCIFPPVPGPKIKGFDAHL

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LEKKGKSEELLSALGCQD FPPTSDYEDLLVEYLEVDDSEDQHLMSVHSKEHPSQGM
 KPTYLDPDTDSGRGSCDSPSLLSEKCEEPQANPSTFY DPEVIEKPENPETTHTWDP
 QCISMEGKIPYFHAGGSKCSTWPLPQPSQHNPRSSYHNITDVCELAVGPAGAPATL
 LNEAGKDALKSSQTIKSREEGKATQQREVESFHSETDQDTPWLLPQEKTPFGSAKP
 LDYVEIHKVKNKDGALSLLP KQRENSGKPKKPGTPENNKEYAKVSGVMDNNILVLVP
 DPHAKNVACFEESAKEAPPSLEQNQA EKALANFTATSS KCRLQLGGLDYLD PACFT
 HSFH

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

PRLR prolactin receptor [Homo sapiens]

Official Symbol

PRLR

Synonyms

PRLR; prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein;
 hPRLr;

Gene ID

5618

mRNA Refseq

NM_000949

Protein Refseq

NP_000940

MIM

176761

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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;