

## Recombinant Human PRLR HEK293T cell lysate

Cat. No. PRLR-2723HCL Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Human PRLR derived in Human HEK293T cell line.

**Species** Human

**Source** HEK293

**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.

**Molecular Mass** 69.3 kDa

**Storage** The lysate is shipped with dry ice. Upon receiving, store the sample at -20°C. Lysate samples are stable for 12 months from date of receipt when stored at -20°C. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20°C for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

### GENE INFORMATION

**Gene Name** PRLR prolactin receptor [ Homo sapiens ]

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<b>Official Symbol</b>	PRLR
<b>Synonyms</b>	PRLR; prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein; hPRLrI;
<b>Gene ID</b>	5618
<b>mRNA Refseq</b>	NM_000949
<b>Protein Refseq</b>	NP_000940
<b>MIM</b>	176761
<b>UniProt ID</b>	P16471
<b>Pathway</b>	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;
<b>Function</b>	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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