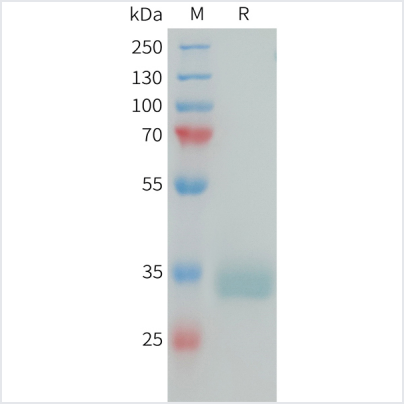
PRLR Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	PRLR, Recombinant Protein
Full Product Name	Human PRLR Protein, His Tag
Product Gene Name	PRLR recombinant protein
Product Synonym Names	HPRL; MFAB; hPRLrI; RI-PRLR
Sequence	PRLR(Gln25 -Asp234) 10×His tag
Host	HEK293
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Purity/Purification	Purified from cell culture supernatant by affinity chromatography The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing).
Molecular Weight	24,000
Chromosome Location	Chromosome: 5; NC_000005.9 (35048861..35230823, complement). Location: 5p13.2
OMIM	176761
3D Structure	ModBase 3D Structure for P16471
Tag	C-10×His tag
Product Categories/Family for PRLR recombinant protein	ECD 1182; ECD Proteins
Related Product Information for PRLR recombinant protein	Recombinant human PRLR Protein with C-terminal 10×His tag 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. [provided by RefSeq, Feb 2011]
Other Notes	Small volumes of PRLR recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PRLR purchase	MBS189577 is a recombinant protein targeting PRLR. Also known as Human PRLR Protein, His Tag. Host: HEK293.



SDS-Page of PRLR recombinant protein
Figure 1. Human PRLR Protein, His Tag on SDS-PAGE under reducing condition.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRLR. It may not necessarily be applicable to this product.

NCBI GI #	4506107
NCBI GeneID	5618
NCBI Accession #	NP_000940.1
UniProt Primary Accession #	P16471
UniProt Secondary Accession #	Q16354; Q8TD75; Q8TD78; Q96P35; Q96P36; Q9BX87; Q9UHJ5; B2R882
UniProt Related Accession #	P16471
GenBank Nucleotide #	NM_000949.5
NCBI Official Full Name	prolactin receptor isoform 1
NCBI Official Synonym Full Names	prolactin receptor
NCBI Official Symbol	PRLR
NCBI Official Synonym Symbols	hPRLrI
UniProt Protein Name	Prolactin receptor
Protein Family	Prolactin receptor
UniProt Gene Name	PRLR
UniProt Synonym Gene Names	PRL-R
UniProt Entry Name	PRLR_HUMAN
NCBI Protein Information	prolactin receptor; PRL-R; hPRL receptor; secreted prolactin binding protein
NCBI Summary for PRLR	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. [provided by RefSeq, Feb 2011]

UniProt Comments for PRLR	PRLR: receptor for the anterior pituitary hormone prolactin and placental lactogen I and II. Interacts with Cyclophilin A, differentially regulating various signaling pathways from the PrlR. Prolactin signaling is attenuated by threonine and tyrosine phosphorylation. Two alternative splice isoforms have been identified. Protein type: Receptor, cytokine; Membrane protein, integral Chromosomal Location of Human Ortholog: 5p13.2 Cellular Component: cell surface; integral to membrane; plasma membrane; extracellular region Molecular Function: protein binding; protein homodimerization activity; ornithine decarboxylase activator activity; peptide hormone binding; metal ion binding; prolactin receptor activity Biological Process: regulation of cell adhesion; lactation; transmembrane receptor protein tyrosine kinase activation (dimerization); cell surface receptor linked signal transduction; T cell activation; regulation of epithelial cell differentiation; tyrosine phosphorylation of JAK2 protein; steroid biosynthetic process; embryo implantation; negative regulation of apoptosis Disease: Multiple Fibroadenomas Of The Breast; Hyperprolactinemia
Research Articles on PRLR	**1.** Our results indicate no significant association of prolactin and PRLR polymorphisms with clozapine response, tardive dyskinesia diagnosis or its severity in patients with schizophrenia
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