Bioactive

PRLR (Human) Recombinant Protein

Catalog # P9057 Size 20 ug

Specification

Product Description	Human PRLR (P16471) recombinant protein expressed in *Escherichia coli*.
Sequence	AGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPNSCHFGKQ YTSMWRTYIMMVNATNQMGSSFSDELYVDVTYIVQPDPPLELAVEVKQPEDRKPYLWIKWSPPTLI DLKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQKYLVQVRCKPDHGYWSAWSPAT FIQIPSDFTMNDTTVW.
Host	Escherichia coli
Theoretical MW (kDa)	24
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 97% by HPLC, SDS PAGE and gel filtration analysis.
Activity	Activity is determined by the dose-dependant inhibition of Prolactin stimuled proliferation of Nb2 cells and by high affinity binding of ovine Prolactin and other lactogenic hormones in 1:1 molar ratio.
Storage Buffer	Lyophilized from 0.0045mM NaHCO3.
Storage Instruction	Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — PRLR

Entrez GeneID	5618
Protein Accession#	P16471
Gene Name	PRLR
Gene Alias	hPRLrI
Gene Description	prolactin receptor
Omim ID	176761
Gene Ontology	Hyperlink
Other Designations	OTTHUMP00000115998|delta 4-SF1b truncated prolactin receptor|delta 4-delta 7/11 truncated p rolactin receptor|hPRL receptor|prolactin receptor delta 7/11|secreted prolactin binding protein

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Abortion
- Asperger Syndrome
- Autistic Disorder
- Autoimmune Diseases
- Breast cancer
- Breast Neoplasms
- Fibroadenoma
- Genetic Predisposition to Disease

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- Infertility
- Lupus Erythematosus
- Lymphoma
- Mental Disorders
- Multiple Sclerosis
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Primary Ovarian Insufficiency
- Prostate cancer
- Prostatic Neoplasms
- Puberty
- Thrombophilia
- Tobacco Use Disorder

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