

Prolactin Soluble Receptor Human Recombinant

Item Number	rAP-2448
Synonyms	PRL-R, hPRLr.
Description	Extra Cellular Domain Prolactin Receptor Human Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 210 amino acids and having a molecular mass of 23.97 kDa. The Prolactin Receptor is purified by proprietary chromatographic techniques according to Bignon et al. (1994) JBC 269;
Uniprot Accession Number	P16471
Amino Acid Sequence	AGKPEIFKCRSPNKETFTCWWRPGTDGGLPTNYSLTYHREGETLMHECPDYITGGPNSCH-FGKQYTSMWRTYIMMVNATNQMGSSFSDELYVDVTYIVQDPPELAVEVKQPEDRKPYLWIKWSPPTLID LKTGWFTLLYEIRLKPEKAAEWEIHFAGQQTEFKILSLHPGQKYLQVQRCKPDHGYWSAWSPATFIQIPSDFTMNDTTVW.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered white lyophilized powder. Lyophilized PRL-R although stable at room temperature for 1-2 weeks, should be stored desiccated below -18°C or preferably even at -80°C to prevent dimer formation. Upon reconstitution PRL-R should be stored sterile at 4°C between 2-7 days and for future use below -18°C. For long term storage at 4°C it is recommended to add a carrier protein (0.1% HSA or BSA). Please
Formulation and Purity	The Prolactin Receptor was lyophilized from a concentrated (0.4mg/ml) solution with 0.0045mM NaHCO ₃ . Greater than 97.0% as determined by:(a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.(c) Gel filtration at pH 8 under non denaturative conditions.
Application	
Solubility	It is recommended to reconstitute the lyophilized PRLR in sterile 18M-cm H ₂ O not less than 100µg/ml and not more than 1 mg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Activity is determined by the dose-dependant inhibition of Prolactin stimulated proliferation of Nb2 cells and by high affinity binding of ovine Prolactin and other lactogenic hormones in 1:1 molar ratio.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**