

Prolactin Soluble Receptor Rat Recombinant

Item Number	rAP-2447
Synonyms	PRL-R, Prolactin receptor, Lactogen receptor, Prlr.
Description	Prolactin Receptor Rat Extra Celleular Domain Recombinant produced in E.Coli is a non-glycosylated, Polypeptide chain containing 206 amino acids and having a molecular mass of 24120 Dalton. The Prolactin Receptor is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P05710
Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Lys-Pro-Glu-Ile.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized PRL-R although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Prolactin Receptor should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3. Greater than 97.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized PRL-R in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Activity is determined by the dose-dependant inhibition of Prolactin-stimuled proliferation of Nb2 cells and by high affinity binding of oPLR and other lactogenic hormones.
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**