

Prolactin Soluble Receptor Rat Recombinant

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| Item Number | rAP-2447 |
| Synonyms | PRL-R, Prolactin receptor, Lactogen receptor, Prlr. |
| Description | Prolactin Receptor Rat Extra Cellular 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 Accession 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 NaHCO ₃ . 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 H ₂ O 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-stimulated 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**