

Rabbit Prolactin Receptor

Synonyms: PRL-R.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	1831.900.005		
20 µg	1831.900.020		
1 mg	1831.900.199		

Please enquire for bulk quantities and other vial sizes

Description

Prolactin Receptor Rabbit Extra Cellular Domain Recombinant ?produced in *E.Coli* is a non-glycosylated, Polypeptide chain containing 207 amino acids and having a molecular mass of 23972 Dalton.

- **Source** *E. Coli*
- **Purity** ≥ 97 % (SDS-PAGE, SEC-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃*
- **Physical state** Sterile filtered, lyophilized

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. Refs:1) Bignon et al. (1994) JBC 269; 3318-242) Gertler et al. (1996) JBC 271; 24482-91.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

Stability

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Lys-Pro-Phe-Ile.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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