

Product: Rabbit Prolactin receptor-ECD, Recombinant
Catalog #: 11-PRLr-RECD
Amount: 100 µg

DESCRIPTION: Recombinant Rabbit Prolactin Receptor-ECD (rRPrLr-ECD)
rRPrLr-ECD is a non-glycosylated, Polypeptide chain containing 207 amino acids and having a molecular mass of 23972 Dalton
The sequence of the first five N-terminal amino acids was determined and was found to be Gly-Lys-Pro-Phe-Ile

SOURCE: *E.Coli* Expression System

PURITY: Greater than 97.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Anion-exchange FPLC.
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

ENDOTOXIN: Less than 0.1 ng/µg (IEU/µg) of rRPrLr-ECD

DIMERS & AGREGATES: Less than 1% as determined by silver-stained SDS-PAGE gel analysis

FORM: Purified

PROTEIN CONTENT: Protein quantitation was carried out by two independent methods:
1. UV spectroscopy at 280 nm using the absorbency value of 2.63 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences
2. Analysis by RP-HPLC, using a calibrated solution of rRPrLr-ECD as a Reference Standard.

STORAGE: -20°C (aliquot), avoid repeated freeze and thaw cycles.

BIOLOGICAL ACTIVITY: rRPrLr-ECD is fully biologically active when compared to standards, its activity is determined by the dose-dependant inhibition of PRL-stimulated proliferation of Nb2 cells and by high affinity binding of oPLR and other lactogenic hormones.

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