

Prolactin Active Protein | PRL active protein

Recombinant Ovine Prolactin

CATALOG # AAA38127	HOST E Coli
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PRODUCT SYNONYMS

Prolactin; Recombinant Ovine Prolactin; Prolactin Ovine; Prolactin Ovine Recombinant; Mamotropin; Luteotropic hormone; Luteotropin; PRL; oProlactin; PRL active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO ₃ . Sterile Filtered White lyophilized (freeze-dried) powder.
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeAla-Thr -Pro-Val-C ys-Pro
Sequence Length	240
Solubility	It is recommended to reconstitute the lyophilized Prolactin in sterile 18M Omega -cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Protein Content	Protein quantitation was carried out by two independent methods1. UV spectroscopy at 280 nm using the absorbency value of 0.85 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 (IntelliGenetics). 2. Analysis by RP-HPLC, using a calibrated solution of Prolactin as a Reference Standard.
Biological Activity	Is fully biologically active as evidenced by inducing proliferation of Nb2 cells.
Preparation and Storage	Lyophilized Prolactin although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Prl should be stored at 4 degree C between 2-7 days and for future use below -18 degree C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for PRL active protein	Description: Prolactin Ovine Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 199 amino acids and having a molecular mass of 23 kDa. The Prolactin n is purified by proprietary chromatographic techniques. Introduction: Prolactin is a neuroendocrine hormone synthesized primarily by the pituitary gland but also a variety of other cell types including the placenta, brain and uterus. Its primary function is to promote and maintain lactation but has also been shown to have a role in breast cancer development, regulation of reproductive function and immunoregulation.
Product Categories/Family for PRL active protein	Cytokines and Growth Factors; Growth Factors; Prolactin

NCBI AND UNIPROT INFORMATION

NCBI GI #	57164329
NCBI GeneID	443317

NCBI Accession #	NP_001009306.1
NCBI GenBank Nucleotide #	NM_001009306.1
UniProt Accession #	P01240; Q28587
Molecular Weight	25,778 Da
NCBI Official Full Name	prolactin
NCBI Official Symbol	PRL
NCBI Protein Information	prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	PRL
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_SHEEP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/e-coli-active-protein/prolactin/38127>