

Prolactin Active Protein | Prl active protein

Recombinant Mouse Prolactin

CATALOG # AAA38156	HOST E Coli
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PRODUCT SYNONYMS

Prolactin; Recombinant Mouse Prolactin; Prolactin Mouse; Prolactin Mouse Recombinant; Mammotropin; Luterotropic hormone; Lutetropin; PRL; mProlactin; Prl active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 95.0% 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 10mM sodium Phosphate buffer pH=8 and 50mM NaCl. Sterile Filtered White lyophilized (freeze-dried) powder.
Concentration	1 mg/ml (varies by lot)
Sequence	Thesequenc eofthefirs tfiveN-ter minalamino acidswasde terminedan dwasfoundt obeMet-Leu -Pro-Ile-C ys
Sequence Length	226
Solubility	It is recommended to reconstitute the lyophilized Prolactin in sterile 18M Omega -cm H2O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED50 as determined by the dose-dependent stimulation of the proliferation of rat lymphoma, Nb2-11 was found to be < 0.065 ng/ml corresponding to a specific activity of 15,400,000 Units/mg.
Preparation and Storage	Lyophilized Prolactin although stable at room temperature for 3 weeks, should be stored desiccated below -18 degree C. Upon reconstitution Prolactin 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 Mouse Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 198 amino acids and having a molecular mass of 22.5 kDa. The Prolactin 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 #	130934
NCBI GeneID	19109
UniProt Accession #	P06879; Q544X8

Molecular Weight	25,496 Da
NCBI Official Full Name	Prolactin
NCBI Official Synonym Full Names	prolactin
NCBI Official Symbol	Prl
NCBI Official Synonym Symbols	Prl1a1; AV290867
NCBI Protein Information	prolactin
UniProt Protein Name	Prolactin
UniProt Gene Name	Prl
UniProt Synonym Gene Names	PRL
UniProt Entry Name	PRL_MOUSE

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/38156>