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32-12281: Rat Prolactin

Gene ID: 24683
Uniprot ID: P01237
Alternative Name: ProlactinÂ

Description

Source: Genetically modified E.coli.

Predicted MW:Â Monomer, 22.7 kDa (198 aa)

Prolactin is a hormone that is produced and secreted by the pituitary gland. Prolactin acts in an endocrine, paracrine, and autocrine manner. The prolactin receptor (PRLR) is expressed on many cell types, including cells of the reproductive organs, central nervous system, and breast cancer. Prolactin signal transduction occurs via JAK kinase signaling pathways. The primary function of prolactin is to regulate lactation, but prolactin also plays functional roles in the immune system and during cell growth, apoptosis, and differentiation.

Product Info

Amount: 50 μg / 100 μg

Purification: Reducing and Non-Reducing SDS PAGE at >= 95%

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 20 mM sodium

Content: phosphate, pH 7.5

Sterile water at 0.1 mg/mL

Storage condition : Store at -20°C

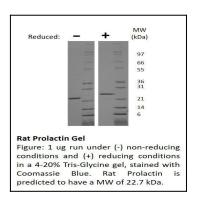
Amino Acid: MLPVCSGGDCÂ OTPLPELFDRÂ VVMLSHYIHTÂ LYTDMFIEFDÂ KQYVQDREFIÂ AKAINDCPTSÂ SLATPE

DKEQÂ AQKVPPEVLLNLILSLVHSWÂ NDPLFQLITGÂ LGGIHEAPDAÂ IISRAKEIEEÂ QNKRLLEGIEÂ KIISQ AYPEAÂ KGNEIYLVWSÂ QLPSLQGVDEÂ ESKDLAFYNNIRCLRRDSHKÂ VDNYLKFLRCÂ QIVHKNNC

Application Note

Endotoxin: Less than 0.1 ng/ \tilde{A} $\square \hat{A}\mu g$ (1 IEU/ \tilde{A} $\square \hat{A}\mu g$) as determined by LAL test.

Biological Activity was determined by Bioactive protein. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at $-80\tilde{A}$ \square $^{\circ}$ C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.





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