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## Product Data Sheet

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Product Name: Prolactin Mouse, His

Cat. No.: GP20851

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AV290867; Gha1; Prl1a1; Growth hormone a1; Mamotropin; Luterotropic hormone; Lutetropin; PRL.		
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSQPLPICS AGDCQTSLRE LFDRVVILSH YIHTLYTDMF IEFDKQYVQD REFMVKVIND CPTSSLATPEDKEQALKVPP EVLLNLILSL VQSSSDPLFQ LITGVGGIQE APEYILSRAK EIEEQNKQLL EGVEKIISQA YPEAKGNGIY VWSQLPSLQGVDEESKILS LRNTIRCLRR DSHKVDNFLK VLRCQIAHQN NC.		
Formulation	The Prolactin Mouse solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% glycerol.		

**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.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Background**

Prolactin Mouse produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 222 amino acids (30-228a.a.) and having a molecular mass of 25 kDa. Prolactin Mouse protein is fused to a 23 amino acid His tag at N-terminus and is purified by standard chromatography.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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