

Recombinant Mouse Prolactin / Prl Protein

Cat. No. Prl-001M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Prolactin protein (30-228aa) without tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Mouse
Source	E.coli
ProteinLength	30-228 a.a.
Description	Prolactin, also known as prl, is a hormone synthesized and secreted by lactotrope cells in the adenohypophysis (anterior pituitary gland). Prolactin has many effects, the most significant of which is to stimulate the mammary glands to produce milk (lactation). Increased serum prolactin during pregnancy causes enlargement of the mammary glands of the breasts and increases the production of milk. Recently, prolactin has demonstrated broader roles in breast cancer development, regulation of reproductive function, and immuno-regulation.
Form	Liquid
Molecular Mass	22.7 kDa
Endotoxin	< 1.0 EU per 1 µg of protein (determined by LAL method)
Purity	> 90% by SDS - PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1.0 mg/mL (determined by Absorbance at 280nm)
Storage Buffer	In Phosphate buffered saline (pH 7.4)
Warning	For research use only. This product is not intended or approved for human, diagnostics or veterin
AA Sequence	MQPLPICSAGDCQTSLRELFDRVVILSHYIHTLYTDMFIEFDKQYVQDREFMVKVIND CPTSSLATPEDKEQALKVPPEVLLNLILSLVQSSSDPLFQLITGVGGIQEAPEYILSRA KEIEEQNKQLLEGVEKIISQAYPEAKGNGIYFVWSQLPSLQGVDEESKILSLRNTIRCL RRDSHKVDNFLKVLRCQIAHQNNC

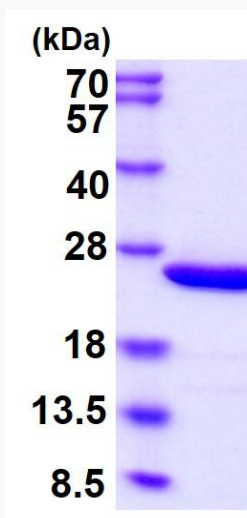
GENE INFORMATION

Gene Name	Prl prolactin [<i>Mus musculus</i> (house mouse)]
Official Symbol	Prl
Synonyms	Prl; prolactin; Gha1; Prl1a1; AV290867; prolactin; growth hormone a1
Gene ID	19109
mRNA Refseq	NM_011164
Protein Refseq	NP_035294
UniProt ID	Q9CPQ2

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SDS-PAGE

15% SDS-PAGE (3 µg)

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