

## Prolactin Protein, Sheep (HEK293, His)

Cat. No.:	HY-P70745
Synonyms:	Prolactin; PRL
Species:	Sheep
Source:	HEK 293
Accession:	P01240 (T31-C229)
Gene ID:	443317
Molecular Weight:	25-30 kDa

### PROPERTIES

AA Sequence	<pre> TPVCPNGPGN    CQVSLRDLFD    RAVMVSHYIH    NLSSEMFNEF DKRYAQQKGF    ITMALNSCHT    SSLPTPEDKE    QAQQTHHEVL MSLILGLLRS    WNDPLYHLVT    EVRGMKGVDP    AILSRAIEIE EENKRLLEGM    EMIFGQVIPG    AKETEPYPVW    SGLPSLQTKD EDARHSAFYN    LLHCLRRDSS    KIDTYLKLLN    CRIIYNNNC           </pre>
Biological Activity	Data is not available.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 150 mM NaCl, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>PRL actions are mediated by PRL receptors, which belong to the cytokine class 1 receptor superfamily and exist as short and long isoforms. Both long and short forms of the PRL receptor are expressed in the preoptic area, hypothalamus, and amygdala, among other brain regions of rodents. A great variety of biological effects of PRL have been described in adult animals many of which relate to reproduction. PRL increases the synthesis and turnover of dopamine in the basal hypothalamus, in an arrangement that allows it to feedback to inhibit PRL release<sup>[1]</sup>.</p>
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## REFERENCES

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[1]. Roselli CE, et al. Prolactin expression in the sheep brain. Neuroendocrinology. 2008;87(4):206-215.

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

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