

Prolactin R Protein, Mouse (210a.a, HEK293, His)

Cat. No.:	HY-P71235
Synonyms:	Prolactin receptor; PRL-R; Prlr; Prolactin R; PRLR
Species:	Mouse
Source:	HEK293
Accession:	Q08501 (Q20-D229)
Gene ID:	19116
Molecular Weight:	33-40 kDa

PROPERTIES

AA Sequence	<p>Q S P P G K P E I H K C R S P D K E T F T C W W N P G S D G G L P T N Y S L T Y</p> <p>S K E G E K N T Y E C P D Y K T S G P N S C F F S K Q Y T S I W K I Y I I T V N</p> <p>A T N E M G S S T S D P L Y V D V T Y I V E P E P P R N L T L E V K Q L K D K K</p> <p>T Y L W V K W L P P T I T D V K T G W F T M E Y E I R L K S E E A D E W E I H F</p> <p>T G H Q T Q F K V F D L Y P G Q K Y L V Q T R C K P D H G Y W S R W G Q E K S I</p> <p>E I P N D F T L K D</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM Citrate, 6% Sucrose, 4% Dextran-70, 50 mM NaCl, 0.05% Tween80, pH 3.5.
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 ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). 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	The Prolactin R protein serves as a receptor for the anterior pituitary hormone prolactin. It engages in crucial interactions with SMARCA1, NEK3, and VAV2, with the latter two interactions being prolactin-dependent. These molecular associations underscore the receptor's role in transducing signals triggered by prolactin, a hormone central to various physiological processes, particularly those related to reproduction and lactation. The interactions with SMARCA1, NEK3, and VAV2 highlight the intricate regulatory network that orchestrates cellular responses in a prolactin-dependent manner.
-------------------	---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA