

PRL2A1 Protein, Rat (HEK293, His)

Cat. No.:	HY-P77465
Synonyms:	Prolactin-2A1; Placental prolactin-like protein M; PLP-M; Prlpm
Species:	Rat
Source:	HEK293
Accession:	Q9JII3 (V30-C228)
Gene ID:	116474
Molecular Weight:	Approximately 24 kDa.

PROPERTIES

AA Sequence	V P T C L V R N G R C F A S L E E M L E R A V G L S E E I S K Q A L Q L F T E F D N Q Y A Q S K Q L I N K N F K K C H T S S L E L P K P S S T S V Q T H P I T L L K I A S K L L S A W K V P L N D L V N N L P S L K D I H P N I L S K A R E I E A K S A G L L E G V K S I L I Q M Q N G D T E D E N Y P G W S G L A S L Q S E N E D D R L F A Y Y N M I R C E G R E T Q K V E T A L K M V K C K I S N E N N C
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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	<p>The PRL2A1 protein is characterized by its specific expression in the placenta, with a particular emphasis on its high expression in invasive trophoblast cells lining the central placental vessel. This unique expression pattern suggests a specialized role for PRL2A1 in the context of placental function, likely playing a crucial role in processes related to trophoblast invasion and vascular development within the placenta. Given its localization in invasive trophoblast cells, PRL2A1 may contribute to the establishment and maintenance of the maternal-fetal interface, playing a key role in supporting the dynamic and intricate processes associated with placental development and function during pregnancy. Further research into the molecular functions of PRL2A1 in the placenta could unveil its specific contributions to</p>
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reproductive biology and maternal-fetal health.

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

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