Prolactin R Protein, Mouse (HEK293, His-Fc)

Cat. No.:	HY-P73694
Synonyms:	Prolactin receptor; PRL-R; Prolactin R
Species:	Mouse
Source:	HEK293
Accession:	Q08501 (Q20-D229)
Gene ID:	19116
Molecular Weight:	65-70 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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.

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