

Prolactin R Protein, Canine (HEK293, Fc)

Cat. No.:	HY-P77822
Synonyms:	PRL-R; HPRL; MFAB; Prolactin R
Species:	Canine
Source:	HEK293
Accession:	XM_038663941 (Q25-T235)
Gene ID:	479363
Molecular Weight:	65-70 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

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

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