

CD81 Protein, Cynomolgus/Rhesus Macaque (HEK293, His)

Cat. No.:	HY-P76244
Synonyms:	CD81 antigen; CD81; CVID6; TAPA-1; TSPAN28
Species:	Rhesus Macaque
Source:	HEK293
Accession:	A0A2K5UDJ9 (K116-K201)
Gene ID:	102139656
Molecular Weight:	Approximately 11.7 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.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
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>Prolactin is a member of the somatotropin/prolactin family, playing a crucial role in regulating various physiological processes. As a hormone, prolactin is primarily associated with the modulation of mammary gland development and lactation in mammals. Beyond its reproductive functions, prolactin also exhibits pleiotropic effects, influencing immune responses, metabolism, and behavior. The somatotropin/prolactin family encompasses proteins that share structural and functional similarities, reflecting their evolutionary relationship and involvement in diverse biological pathways. Prolactin's versatility highlights its significance in orchestrating a range of physiological functions, making it a key player in maintaining homeostasis in different tissues and systems.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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