

CNPY4/PRAT4B Protein, Human (HEK293, His)

Cat. No.:	HY-P77339
Synonyms:	Protein canopy homolog 4; CNPY4; PSEC0237
Species:	Human
Source:	HEK293
Accession:	Q8N129 (G22-L248)
Gene ID:	245812
Molecular Weight:	Approximately 30 kDa

PROPERTIES

AA Sequence	<p>G M L K E E D D D T E R L P S K C E V C K L L S T E L Q A E L S R T G R S R E V</p> <p>L E L G Q V L D T G K R K R H V P Y S V S E T R L E E A L E N L C E R I L D Y S</p> <p>V H A E R K G S L R Y A K G Q S Q T M A T L K G L V Q K G V K V D L G I P L E L</p> <p>W D E P S V E V T Y L K K Q C E T M L E E F E D I V G D W Y F H H Q E Q P L Q N</p> <p>F L C E G H V L P A A E T A C L Q E T W T G K E I T D G E E K T E G E E E Q E E</p> <p>E E E E E E E E G G D K M T K T G S H P K L D R E D L</p>
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>CNPY4/PRAT4B Protein assumes a crucial role in modulating the cell surface expression of TLR4, implicating its significance in the intricate regulatory mechanisms of the innate immune system. Its direct interaction with TLR4 underscores its functional involvement in shaping the dynamics of Toll-like receptor signaling, a pivotal pathway in the recognition of pathogen-associated molecular patterns. By participating in the regulation of TLR4 cell surface expression, CNPY4/PRAT4B emerges as a key molecular player in fine-tuning the responsiveness of immune cells to extracellular stimuli, ultimately contributing to the delicate balance between immune activation and regulation in the context of host defense and</p>
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inflammation.

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

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