

PRTFDC1 Protein, Human (His)

Cat. No.:	HY-P77158
Synonyms:	Phosphoribosyltransferase domain-containing protein 1; HHGP
Species:	Human
Source:	E. coli
Accession:	Q9NRG1 (M1-V225)
Gene ID:	56952
Molecular Weight:	Approximately 26 kDa

PROPERTIES

AA Sequence	<p>M A G S S E E A P D Y G R G V V I M D D W P G Y D L N L F T Y P Q H Y Y G D L E</p> <p>Y V L I P H G I I V D R I E R L A K D I M K D I G Y S D I M V L C V L K G G Y K</p> <p>F C A D L V E H L K N I S R N S D R F V S M K V D F I R L K S Y R N D Q S M G E</p> <p>M Q I I G G D D L S T L A G K N V L I V E D V V G T G R T M K A L L S N I E K Y</p> <p>K P N M I K V A S L L V K R T S R S D G F R P D Y A G F E I P N L F V V G Y A L</p> <p>D Y N E Y F R D L N H I C V I N E H G K E K Y R V</p>
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 8.0.
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	The PRTFDC1 protein demonstrates minimal phosphoribosyltransferase activity, with detection levels being notably low in vitro. It exhibits binding affinity towards GMP, IMP, and alpha-D-5-phosphoribosyl 1-pyrophosphate (PRPP). However, its role in purine metabolism or salvage is not anticipated. The protein functions as a homodimer, emphasizing its structural configuration in cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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