

TPPP2 Protein, Human (His)

Cat. No.:	HY-P77253
Synonyms:	Tubulin polymerization-promoting protein family member 2; Protein p25-beta; TPPP/p18; C14orf8
Species:	Human
Source:	E. coli
Accession:	P59282 (M1-K170)
Gene ID:	122664
Molecular Weight:	Approximately 19 kDa

PROPERTIES

AA Sequence	<pre> M A S E A E K T F H R F A A F G E S S S G T E M N N K N F S K L C K D C G I M D G K T V T S T D V D I V F S K V K A K N A R T I T F Q Q F K E A V K E L G Q K R F K G K S P D E V L E N I Y G L M E G K D P A T T G A T K A T T V G A V D R L T D T S K Y T G T H K E R F D E S G K G K G I A G R E E M T D N T G Y V S G Y K G S G T Y D K K T K </pre>
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>The TPPP2 protein emerges as a probable regulator of microtubule dynamics crucial for sperm motility. In contrast to other members of its protein family, TPPP2 lacks microtubule bundling activity, suggesting a unique functional role within microtubule-associated processes. Its involvement in regulating microtubule dynamics underscores its significance in orchestrating the complex machinery required for sperm motility. Further investigation into the specific molecular mechanisms governed by TPPP2 and its distinct characteristics within the microtubule regulatory landscape will contribute to a more comprehensive understanding of its role in facilitating sperm motility.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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