

TPP2 Protein, Human (Myc, His)

Cat. No.:	HY-P71451
Synonyms:	TPP2; Tripeptidyl-peptidase 2; TPP-2; EC 3.4.14.10; Tripeptidyl aminopeptidase; Tripeptidyl-peptidase II; TPP-II
Species:	Human
Source:	E. coli
Accession:	P29144 (44D-264H)
Gene ID:	7174
Molecular Weight:	Approximately 31.8 kDa

PROPERTIES

AA Sequence	<p>DTGVDPGAPG MQVTTDGGPKK IVDIIDDTTGS GDVNTATEVE</p> <p>PKDGEIVGLS GRVLKIPASW TNPSGKYHIG IKNGYDFYPK</p> <p>ALKERIQKER KEKIWDPVHR VALAEACRKQ EEFDVANNGS</p> <p>SQANKLIKEE LQSQVELLNS FEKKYSDPGP VYDCLVWHDG</p> <p>EVRACIDSN EDGDLISKSTV LRNYKEAQEY GSFGTAEMLN</p> <p>YSVNIYDDGN LLSIVTSGGA H</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized after extensive dialysis against solution in Tris/PBS-based buffer, 6% Trehalose, 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.
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 cytosolic tripeptidyl-peptidase TPP2 protein functions as a key component of the proteolytic cascade in the ubiquitin-proteasome pathway, acting downstream of the 26S proteasome. It plays a crucial role in intracellular amino acid homeostasis, functioning to release N-terminal tripeptides from polypeptides. Additionally, TPP2 protein has been implicated in stimulating adipogenesis, contributing to cellular processes involved in adipose tissue formation.
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Caution: Product has not been fully validated for medical applications. For research use only.

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