

Dermatopontin/DPT Protein, Human (HEK293, Fc, His)

Cat. No.:	HY-P72667
Synonyms:	Dermatopontin; TRAMP; DPT
Species:	Human
Source:	HEK293
Accession:	Q07507 (Q19-V201)
Gene ID:	1805
Molecular Weight:	50-60 kDa

PROPERTIES

AA Sequence	<p>Q Y G D Y G Y P Y Q Q Y H D Y S D D G W V N L N R Q G F S Y Q C P Q G Q V I V A</p> <p>V R S I F S K K E G S D R Q W N Y A C M P T P Q S L G E P T E C W W E E I N R A</p> <p>G M E W Y Q T C S N N G L V A G F Q S R Y F E S V L D R E W Q F Y C C R Y S K R</p> <p>C P Y S C W L T T E Y P G H Y G E E M D M I S Y N Y D Y Y I R G A T T T F S A V</p> <p>E R D R Q W K F I M C R M T E Y D C E F A N V</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 4% Sucrose, 4% mannitol, 0.02% Tween80, pH 7.5.
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 Dermatopontin/DPT protein is believed to facilitate adhesion through its binding to integrins on the cell surface. It may act as a conduit for communication between dermal fibroblast cells and their surrounding extracellular matrix. Additionally, it enhances the activity of TGFB1, inhibits cell proliferation, promotes the formation of collagen fibrils, and helps stabilize them against dissociation at low temperatures. The protein interacts with TGFB1, DCN, and collagen.
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Caution: Product has not been fully validated for medical applications. For research use only.

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