

## Dermatopontin/DPT Protein, Mouse (HEK293, Fc)

<b>Cat. No.:</b>	HY-P70104
<b>Synonyms:</b>	rMuDermatopontin, Fc; Early quiescence protein 1; EQ-1; Tyrosine-rich acidic matrix protein; TRAMP
<b>Species:</b>	Mouse
<b>Source:</b>	HEK293
<b>Accession:</b>	Q9QZZ6 (Q19-V201)
<b>Gene ID:</b>	56429
<b>Molecular Weight:</b>	Approximately 55 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>Q Y G G Y G Y P Y Q    Q Y Q D Y G D D G W    V N L N R Q G F S Y    Q C P H G Q V V 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 K 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 M T T E    Y P S H Y G E D M D    M I S Y D Y D F Y M    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 D Y D C E F    E N V</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	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.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	Dermatopontin (DPT) protein functions as a mediator of adhesion through binding to cell surface integrins and acts as a potential communication link between dermal fibroblast cell surfaces and the extracellular matrix. Additionally, DPT enhances the activity of TGFβ1, inhibits cell proliferation, and plays a role in accelerating collagen fibril formation while stabilizing collagen fibrils against low-temperature dissociation. Its interactions with TGFβ1, DCN, and collagen underscore its involvement in the modulation of cellular adhesion and extracellular matrix dynamics.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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