

## Product datasheet for **TP727765**

### Dpt Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Mouse Dermato pontin/DPT (C-Fc)
Species:	Mouse
Expression cDNA Clone or AA Sequence:	Gln19-Val201
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Mouse Dermato pontin is produced by our Mammalian expression system and the target gene encoding Gln19-Val201 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	56429
UniProt ID:	<a href="#">Q9QZZ6</a>
Synonyms:	Early quiescence protein 1; EQ-1; Tyrosine-rich acidic matrix protein; TRAMP
Summary:	Dermato pontin is a widely expressed noncollagenous protein component of the extracellular matrix. It is a 22 kDa molecule that is tyrosine sulfated but not glycosylated. Dermato pontin is down regulated in fibrotic growths such as leiomyoma and scar tissue, inhibits cell proliferation, accelerates collagen fibril formation, and stabilizes collagen fibrils against low-temperature dissociation, Dermato pontin deficient mice exhibit altered collagen matrix deposition and organization. Dermato pontin seems to mediate adhesion by cell surface integrin binding, may serve as a communication link between the dermal fibroblast cell surface and its extracellular matrix environment, and enhances TGFB1 activity (By similarity). Dermato pontin promotes bone mineralization under the control of the vitamin D receptor and inhibits BMP-2 effects on osteoblast precursors.



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