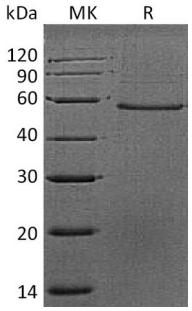
Product Name: Recombinant Mouse DPT (C-Fc)
Catalog #: PHM0530

Summary

Name	Dermatopontin/DPT
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Dermatopontin is produced by our Mammalian expression system and the target gene encoding Gln19-Val201 is expressed with a human IgG1 Fc tag at the C-terminus.
Accession #	Q9QZZ6
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	49.1 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Background

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Alternative Names	Early quiescence protein 1; EQ-1; Tyrosine-rich acidic matrix protein; TRAMP
Background	Dermatopontin is a widely expressed noncollagenous protein component of the extracellular matrix. It is a 22 kDa molecule that is tyrosine sulfated but not glycosylated. Dermatopontin 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, Dermatopontin deficient mice exhibit altered collagen matrix deposition and organization. Dermatopontin 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). Dermatopontin promotes bone mineralization under the control of the vitamin D receptor and inhibits BMP-2 effects on osteoblast precursors.

Note

For Research Use Only , Not for Diagnostic Use.