

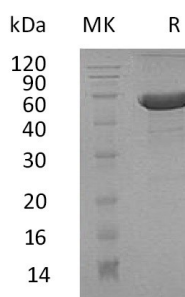
Product Name: Recombinant Human DPT (C-Fc-6His)
Catalog #: PHH0529



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 Human Dermatopontin is produced by our Mammalian expression system and the target gene encoding Gln19-Val201 is expressed with a human IgG1 Fc, 6His tag at the C-terminus.
Accession #	Q07507
Host	Human Cells
Species	Human
Predicted Molecular Mass	49.9 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM PB, 4% Sucrose, 4% mannitol, 0.02% Tween80, pH 7.5.
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.

SDS-PAGE image



Background

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Alternative Names

Dermatopontin; Tyrosine-rich acidic matrix protein; TRAMP and DPT

Background

Dermatopontin, also known as Tyrosine-rich acidic matrix protein, TRAMP and DPT, is a secreted protein which belongs to the dermatopontin family. DPT is expressed in various tissues, such as fibroblasts, heart, skeletal muscle, brain and pancreas. It seems to mediate adhesion by cell surface integrin binding. DPT may serve as a communication link between the dermal fibroblast cell surface and its extracellular matrix environment. DPT can enhance TGFB1 activity through interaction with decorin. In addition, DPT accelerates collagen fibril formation, stabilizes collagen fibrils against low-temperature dissociation and inhibits cell proliferation.

Note

For Research Use Only , Not for Diagnostic Use.