

Recombinant Human Dermatopontin/DPT Protein (Fc & His Tag)



Catalog Number:PKSH032350

Note: Centrifuge before opening to ensure complete recovery of vial contents.

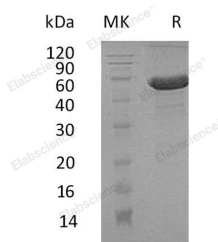
Description

Synonyms	Dermatopontin;Tyrosine-rich acidic matrix protein;TRAMP and DPT;
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln19-Val201
Accession	Q07507
Calculated Molecular Weight	49.9 kDa
Observed molecular weight	50-60 kDa
Tag	C-Fc-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 4% Sucrose, 4% mannitol, 0.02% Tween80, pH 7.5. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer in
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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 TGFβ1 activity through interaction with decorin. In addition, DPT accelerates collagen fibril formation, stabilizes collagen fibrils against low-temperature dissociation and inhibits cell proliferation.

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