

Active Recombinant Mouse Dermatopontin, His-tagged

Cat. No. Dpt-419M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Dpt (Gln19-Val201) fused with 6His tag at Cterminal, was expressed in Mouse NSO Cells.
Species	Mouse
Source	Mammalian Cells
ProteinLength	19-201 a.a.
Description	Dermatopontin is a protein that in humans is encoded by the DPT gene. Dermatopontin is an extracellular matrix protein with possible functions in cell-matrix interactions and matrix assembly. The protein is found in various tissues and many of its tyrosine residues are sulphated. Dermatopontin is postulated to modify the behavior of TGF beta through interaction with decorin.
Molecular Mass	22.8 kDa
Predicted N-terminal	Gln19
Formulation	Lyophilized from a 0.2 µ filtered solution in PBS.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Activity	Measured by its ability to modulate collagen fibrillogenesis. 20 µg/mL of rmDermatopontin can significantly enhance the rate of collagen fibrillogenesis.

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EndotoxinLevel	< 0.01 EU per 1 µg of the protein by the LAL method.
Reconstitution	Reconstitute at 500 µg/mL in PBS.
Storage	12 months from date of receipt, 20 to 70 °C as supplied. Avoid repeated freezethaw cycles.
OfficialSymbol	Dpt

GENE INFORMATION

Gene Name	Dpt dermatopontin [<i>Mus musculus</i> (house mouse)]
Synonyms	Dpt; dermatopontin; Eq1; EQ-1; 1810032B19Rik; 5033416F05Rik; TRAMP; early quiescence protein 1; early quiescence protein-1; tyrosine-rich acidic matrix protein
Gene ID	56429
mRNA Refseq	NM_019759
Protein Refseq	NP_062733
UniProt ID	Q9QZZ6
Chromosome Location	1; 1 H2
Function	molecular_function

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