

# Active Recombinant Mouse Dermato pontin, His-tagged

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

## SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b>     | Recombinant Mouse Dpt (Gln19-Val201) fused with 6His tag at Cterminal, was expressed in Mouse NSO Cells.                                                                                                                                                                                                                                                                                        |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>        | 19-201 a.a.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>          | Dermato pontin is a protein that in humans is encoded by the DPT gene.<br>Dermato pontin 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. Dermato pontin is postulated to modify the behavior of TGF beta through interaction with decorin. |
| <b>Molecular Mass</b>       | 22.8 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Predicted N-terminal</b> | Gln19                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Formulation</b>          | Lyophilized from a 0.2 µ filtered solution in PBS.                                                                                                                                                                                                                                                                                                                                              |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                                                                                                     |
| <b>Activity</b>             | Measured by its ability to modulate collagen fibrillogenesis. 20 µg/mL of rmDermato pontin can significantly enhance the rate of collagen fibrillogenesis.                                                                                                                                                                                                                                      |

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

## GENE INFORMATION

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

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