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32-9006: Recombinant Mouse Dermatopontin/DPT (C-Fc)

Gene : Dpt
Gene ID : 56429
Uniprot ID : Q9QZZ6

Description

Source: Human Cells.
MW :49.1kD.
Recombinant Mouse Dermatopontin is produced by our Mammalian expression system and the target gene encoding Gln19-Val201 is expressed with a Fc tag at the C-terminus. 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.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	QYGGYGYPYQQYQDYGDDGWVNLNRQGFSYQCPHGQVVVAVRSIFSKKEGSDRQWNYACMPTPQSLGEPT ECWWEEINRAGMEWYQKCSNNGLVAGFQSRYFESVLDREWQFYCCRYSKRCPYSCWMTTEYPSHYGEDMD MISYDYDFYMRGATTTFSAVERDRQWKFIMCRMTDYDCEFENVVDDIEGRMDEPKSCDKTHTCPPCPAPELLG GPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH QDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESN GQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.