

Active Recombinant Human DMP1, His-tagged

Cat. No. DMP1-662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DMP1 (Accession # NP_001073380) Leu17-Tyr497 & Asp202-Tyr497, fused with a C-terminal 6-His tag & Leu17-Ser201, was produced in Mouse myeloma cell line, NS0-derived.
Species	Human
Source	Mammalian Cells
ProteinLength	17-497;202-497;17-201 a.a.
Predicted N Terminal	Leu17 & Asp202
Form	Lyophilized from a 0.2 µ filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized rhIntegrin alpha v beta 3 at 2 µg/mL can bind rhDMP-1 with an apparent KD < 20 nM.
Molecular Mass	Recombinant Human DMP1, His-tagged has a calculated MW of 53.1 kDa, 19.7 kDa and 33.4 kDa. In SDS-PAGE migrates as 20-90 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	DMP1 dentin matrix acidic phosphoprotein 1 [Homo sapiens]
Official Symbol	DMP1
Synonyms	DMP1; dentin matrix acidic phosphoprotein 1; dentin matrix acidic phosphoprotein; dentin matrix protein 1; ARHP; ARHR; DMP-1;
Gene ID	1758
mRNA Refseq	NM_001079911
Protein Refseq	NP_001073380
MIM	600980
UniProt ID	Q13316
Chromosome Location	4q21

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