

Active Recombinant Human DMP1 protein, His-tagged

Cat. No. DMP1-3790H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DMP1 protein(Q13316-1)(Met1-Tyr513), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Tyr513
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to bind human CFH in a functional ELISA.
Molecular Mass	The recombinant human DMP1 consists of 508 amino acids and predicts a molecular mass of 55.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhDMP1 is approximately 53 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

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