

Recombinant Human MMP20 Protein, His-tagged

Cat. No. MMP20-541H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP20 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	<p>Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The protein encoded by this gene degrades amelogenin, the major protein component of dental enamel matrix, and thus thought to play a role in tooth enamel formation. A mutation in this gene, which alters the normal splice pattern and results in premature termination of the encoded protein, has been associated with amelogenesis imperfecta. This gene is part of a cluster of MMP genes located on chromosome 11q22.3.</p>
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	52 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

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GENE INFORMATION

Gene Name	MMP20 matrix metallopeptidase 20 [Homo sapiens]
Official Symbol	MMP20
Synonyms	MMP20; matrix metallopeptidase 20; matrix metalloproteinase 20 (enamelysin); matrix metalloproteinase-20; enamelysin; enamel metalloproteinase; AI2A2; MMP-20;
Gene ID	9313
mRNA Refseq	NM_004771
Protein Refseq	NP_004762
MIM	604629
UniProt ID	O60882

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