

MMP-20 Protein, Human, Recombinant (E. coli, His & Myc)

General Information

Synonyms:	Matrix metalloproteinase-20;Enamelysin;MMP-20;Enamel metalloproteinase;MMP20
Protein Construction:	108-483 aa
Species:	Human
Expression Host:	E. coli
Accession:	O60882
Molecular Weight:	47.6 kDa (predicted)
AA Sequence:	YRLFPGPEPKWKKNTLTYRISKYTPSMSSVEVDKAVEMALQAWSSAVPLSFVRINSGEADIMISFENGHDHGDSY PFDGPRGTLAHAFAFAPGEGGLGGDTHFDNAEKWTMGNTGNLFTVAAHEFGHALGLAHSTDPALMYPTYKYK NPYGFHLPKDDVKGIQALYGPRKVFLGKPTLPHAPHHKPSIPDLCDSSSFDAVTMLGKELLFKDRIFWRRQ VHLRTGIRPSTITSSFPQLMSNVDAAYEVAERGTAYFFKGPYHWITRGFQMGGPPRTIYDFGFPRHVQQIDAA VYLREPQKTLFFVGDEYYSYDERKRKMEKDYPKNTSEEFSGVNGQIDAARELNGYIYFFSGPKTYKYDTEKED VVSVKSSSWIGC

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Degrades amelogenin, the major protein component of the enamel matrix and two of the macromolecules characterizing the cartilage extracellular matrix: aggrecan and the cartilage oligomeric matrix protein (COMP).

A DRUG SCREENING EXPERT

May play a central role in tooth enamel formation. Cleaves aggrecan at the '360-Asn-|-Phe-361' site.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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