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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

MMP12 (Human) Recombinant Protein (P01)

Catalog Number: H00004321-P01

Regulation Status: For research use only (RUO)

Product Description: Human MMP12 full-length ORF (NP_002417.2, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MKFLILLLLQATASGALPLNSSTSLEKNNVLFGERYLEK
FYGLEINKLPVTKMKYSGNLMKEKIQEMQHFLGLKVTG
QLDTSTLEMMHAPRCGVPDVHFFREMPGGPVWRKH
YITYRINNYTPDMNREDVDYAIRKAFQVWSNVTPFKFS
KINTGMADILVVFARGAHGDFHAFDGGKGGILAHAFGPG
SGIGGDAHFDEDEFWTHSGGTNLFLTAVHEIGHSLG
LGHSSDPKAVMFPTYKYVDINTFRLSADDIRGIQSLYG
DPKENQRLPNPDNSEPALCDPNLSFDAVTTVGNKIFF
KDRFFWLKVSERPKTSVNLISSLWPTLPSGIEAAAYEIEA
RNQVFLFKDDKYWLISNLRPEPNYPKSIHSFGFPNFVK
KIDAAVFNPRFYRITYFFVDNQYWRYDERRQMMDPGY
PKLITKNFQGIGPKIDAVFYSKNKYYYYFFQGSNQFEYD
FLLQRITKTLKSNSWFGC

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 80.4

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4321

Gene Symbol: MMP12

Gene Alias: HME, MGC138506, MME

Gene Summary: 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. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq]