

PRODUCT INFORMATION
MMP7 (active), Human

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| Catalog number | C01144-5UG / C01144-20UG / C01144-100UG |
| Package | 5 µg / 20 µg / 100 µg |
| Description | Matrilysin, also known as matrix metalloproteinase-7 (MMP-7), pump-1 protease (PUMP-1), or uterine metalloproteinase is an enzyme in humans that is encoded by the MMP7 gene. MMP-7 is the smallest of all the MMPs consisting of a pro-peptide domain and a catalytic domain. It lacks the hemopexin-like domain common to other members of the MMPs. MMP-7 is widely expressed having been reported in elevated levels in cycling endometrium as well as in colorectal cancers and adenomas, hepatocellular carcinomas, rectal carcinomas, and approximately 50% of gliomas. |
| Source | <i>Escherichia coli</i> |
| Sequence | MYSLFPNSPKWTSKVVITYRIVSYTRDLPHITVDRLVSKALNMWGKEIPLHFRKVV WGTADIMIGFARGAHGDSYPFDGPGNTLAHAFAPGTGLGGDAHFDERWTD GSSLGINFLYAATHELGHSLGMGHSSDPNAVMYPTYGNGDPQNFKLSQDDIKGI QKLYGKRSNSRKK with polyhistidine tag at the C-terminus |
| Endotoxin level | <0.1 EU per 1 µg of the protein by the LAL method. |
| Purity | >98% as determined by SDS-PAGE. Ni-NTA chromatography |
| Formulation | The protein was lyophilized from a solution containing 1X PBS, pH 8.0. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| Storage | Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C. |
| Note | Please use within one month after protein reconstitution. |



SDS-PAGE analysis of recombinant human MMP7 (active)

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