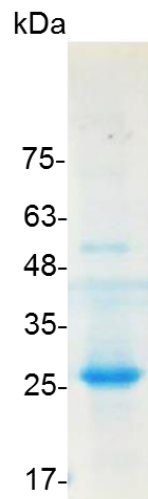


MMP7 (proenzyme), Human

v. 231001

Catalog number	C01142-5UG / C01142-20UG / C01142-100UG
Package	5 µg / 20 µg / 100 µg
Description	<p>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.</p>
Source	<i>Escherichia coli</i>
Sequence	<p>MRLTVLCAVCLLPGLSLALPLPQEAGGMSELQWEQAQDYLRKRFYLYDSEKTNAN SLEAKLKEMQKFFGLPITGMLNSHVIEIMQKPRCGVPDVAEYSLFPNSPKWTSK VVTYRIVSYTRDLPHTVDRLVSKALNMWGKEIPLHFRKVVWGTADIMIGFARGA HGDSYPFDGPGNTLAHAFAPGTGLGGDAHFEDEDERWTDGSSLGINFLYAATH ELGHSLGMGHSSDPNAVMYPTYGNQDPQNFKLSQDDIKGIQKLYGKRSNSRK K with polyhistidine tag at the C-terminus</p>
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	<p>It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.</p>
Stability & Storage	<p>This product is stable after storage at:</p> <ul style="list-style-type: none"> • -20°C for 12 months in lyophilized state from date of receipt. • -20°C or -80°C for 1 month under sterile conditions after reconstitution. <p>Avoid repeated freeze/thaw cycles.</p>



SDS-PAGE analysis of recombinant human MMP7 (proenzyme)

For research use only.