

MMP7/MPSL1/PUMP-1, Human, Recombinant

Cat. No. : PCK284

General Information

Synonyms	MMP-7;MPSL1;PUMP-1
Species	Human
Expression host	E.coli
Sequence	MYSLFPNSPKWTSKVVITYRIVSYTRDLPHITVDRLVSKALNMWGKEIPLHFRKVWGTADIMI GFARGAHGDSYPFDGPGNTLAHAFAPGTGLGGDAHFEDEDERWTDGSSLGINFLYAATHELGH SLGMGHSSDPNAVMYPTYGNGDPQNFKLSQDDIKGIQKLYGKRNSNRKK with polyhistidine tag at the C-terminus.
Accession	P09237
Tag	His-tag at the C-terminus
Mol mass	20.07 kDa
Expiration date	12 months

Product feature

Purity	> 98% as determined by SDS-PAGE. Ni-NTA chromatography.
Endotoxin (EU/μg)	< 0.1
Storage	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
Shipping	Ice bag
Formulation	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

Background

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.

SDS-PAGE

