

MMP7/MPSL1/PUMP-1, Human, Recombinant

货号 : PCK284

产品信息

别名 MMP-7, MPSL1, PUMP-1

物种 Human

表达宿主 E.coli

序列信息 MYSLFPNSPKWTSKVVITYRIVSYTRDLPHTVDRLVSKALNMWGKEIPLHF
RKVVWGTADIMIGFARGAHGDSYPFDGPGNTLAHAFAPGTGLGGDAHFD
EDERWTDGSSSLGINFLYAATHELGHSLGMGHSSDPNAV MYPTYGNGDPQN
FKLSQDDIKGIQKLYGKRSNSRKK with polyhistidine tag at the C-terminus.

检索号 P09237

分子量 20.07 kDa

标签 His-tag at the C-terminus

产品特性

纯度 >98% as determined by SDS-PAGE. Ni-NTA chromatography

内毒素 <0.1 EU per 1 µg of the protein by the LAL method.

保存 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.

运输 Ambient temperature or ice pack.

制剂 The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

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

