

CHAMOT

**重组人基质金属蛋白酶7（酶原） /Recombinant
MMP7 (proenzyme), Human, Animal-Free**

CM131-5HP

CM131-20HP

CM131-100HP

CM131-500HP

CM131-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines

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重组人基质金属蛋白酶7（酶原） /Recombinant MMP7 (proenzyme), Human, Animal-Free

产品编号	CM131-5HP	CM131-20HP	CM131-100HP	CM131-500HP	CM131-1000HP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

产品简介

背景描述

Matrix metalloproteinase-7 proenzyme (proMMP-7) is a 30.47 kDa matrix metalloproteinases with 273 amino acid residues. MMP-7 restricted production by normal mucosal and exocrine gland epithelial cells, as well as by carcinoma cells. Functionally, it involved breakdown of extracellular matrix (casein, gelatins of types I, III, IV, and V, and fibronectin) in normal physiological processes and disease processes. MMP-7 is contributed to early tumor development during carcinogenesis. proMMP7 activation by trypsin occurs via an intermediate cleaved at Lys50-Asn51.

别称

matrix metalloproteinase-7, MMP-7, MPSL1, PUMP-1

蛋白编码

P09237

分子量

The protein has a calculated MW of 30.47 kDa. The protein migrates as 26 kDa under reducing condition (SDS-PAGE analysis).

表达系统

Escherichia coli

纯度

>95% as determined by SDS-PAGE.

生物活性

Testing in process

内毒素检测

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

蛋白序列

MRLTVLCAVCLLPGLSLALPLPQEAGGMSELQWEQAQDYLRFLYDSETKNANSLEAKLKEM
QKFFGLPITGMLNSHVIEIMQKPRCGVPDVAEYSLFPNSPKWTSKVVTYRIVSYTRDLPHTVD
RLVSKALNMWKGKEIPLHFRKVVWGTADIMIGFARGAHGDSYPFDGPGNTLAHAFAPGTGLG
GDAHFEDEDERWTDGSSLGINFLYAATHELGHSLGMGHSSDPNAVMYPTYGNGDPQNFKLSQ
DDIKGIQKLYGKRNSRKK with polyhistidine tag at the C-terminus.

产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 8.0. If you have any concerns or special requirements, please confirm with us.

产品应用

Cell Culture

产品使用

1. Before opening, centrifuge at 3000 rpm for 5 mins.

2. Initial Reconstitution

- Reconstitute the Lyophilized Protein in sterile H₂O to a concentration of 100-200 µg/mL.
- Then, incubate it at room temperature for at least 20 mins to ensure sufficient dissolution.

Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

- Store at 2°C to 8°C for up to 1 week.

3. Extended Storage

- After the initial reconstitution, further dilute the reconstituted protein in a buffer containing a carrier protein or stabilizer (e.g., 0.1% BSA, 10% FBS, 5% HSA, or 5% trehalose solution). The final concentration is not less than 10 µg/mL.

- Prepare aliquots (≥20 µl).
- Store at -20°C or -80°C for 3 to 6 months.

Avoid repeated freeze-thaw cycles.

产品储存/运输

Lyophilized Protein: Store at -20°C for 1 year.

储存

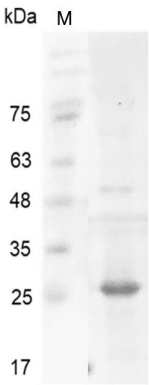
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

Extended Storage: Store at -20°C or -80°C for 3 to 6 months with a carrier protein or stabilizer.

运输

Blue Ice

实验数据展示



For Research Use or Further Manufacturing Only

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