

CHAMOT

**重组人胃蛋白酶原A5 /Recombinant PGA5, Human,
Animal-Free**

CM134-5HP

CM134-20HP

CM134-100HP

CM134-500HP

CM134-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



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重组人胃蛋白酶原A5 /Recombinant PGA5, Human, Animal-Free

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|------|-----------|------------|-------------|-------------|--------------|
| 产品编号 | CM134-5HP | CM134-20HP | CM134-100HP | CM134-500HP | CM134-1000HP |
| 规格 | 5 µg | 20 µg | 100 µg | 500 µg | 1 mg |

产品简介

背景描述 Pepsinogen A5 (PGA5) is a aspartic protease that secreted from gastric mucosa and located in stomach. Pepsinogen A5 is a 41 kDa protein containing 388 amino acid residues. Pepsinogen A5 is a precursor protein of digestive enzyme pepsin which breaks down the proteins into the small chain peptides that are absorbed by the small intestine.

别称 pepsinogen A5, Pg5

蛋白编码 P0DJD9

分子量 The protein has a calculated MW of 42.80 kDa. The protein migrates as 50 kDa under reducing condition (SDS-PAGE analysis).

表达系统 Escherichia coli

纯度 >95% as determined by SDS-PAGE and SEC-HPLC.

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 MKWLLLLGLValsecIMYKVPLIRKKSLRRTLserGLLKDFLKKHNLNPARKYFPQWEAPTLVDE
QPLENYLDMEYFGTIGIGTPAQDFTVVFDTGSSNLWVPSVYCSSLACTNHNRFNPEDSSSTYQS
TSETVSITYGTGSMTGILGYDTVQVGGISDTNQIFGLSETEPGSFLYYAPFDGILGLAYPSISSGA
TPVFDNIWNQGLVSQDLFSVYLSADDKSGSVVIFGGIDSSYYTGSLNWVPVTVEGYWQITVD
SITMNGETIACAEGCQAIVDTGTSLTGPTSPIANIQSDIGASENSDGDMMVSCSAISSLPDIVFT
INGVQYPVPPSAYILQSEGSCISGFQGMNVPTESGELWILGDVFIRQYFTVFDRANNQVGLAP
VAwith 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

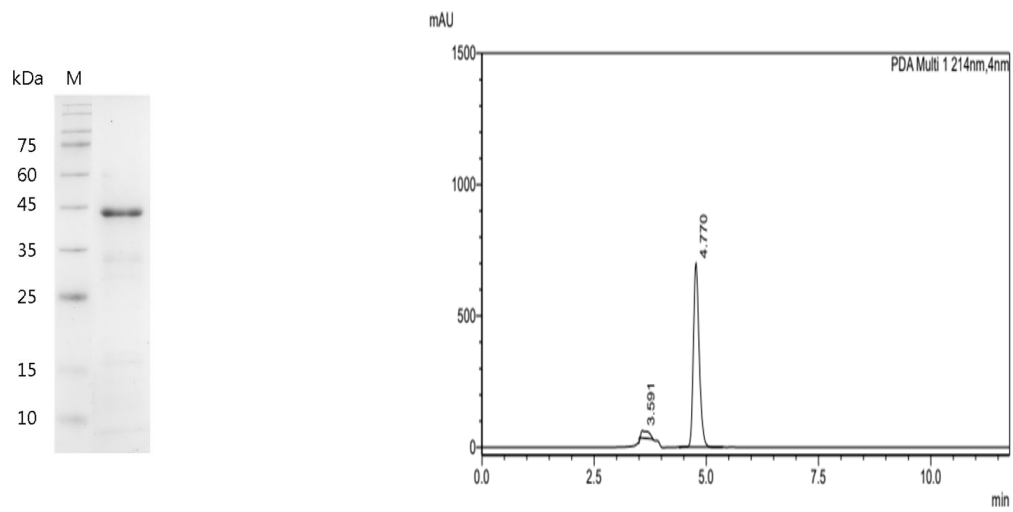
Initial Reconstitution: Store at 2°C to 8°C for up to 1 week.

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



SDS-PAGE analysis of recombinant human PGA5

The purity of recombinant human PGA5 is greater than 95% as determined by SEC-HPLC.

For Research Use or Further Manufacturing Only

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