

# CHAMOT

**重组小鼠烯醇化酶1 /Recombinant ENO1, Mouse,  
Animal-Free**

CM098-5MP

CM098-20MP

CM098-100MP

CM098-500MP

CM098-1000MP



CHAMOT

乔默®生物

*Specialize In Cytokines*



# CONTENT

1 产品简介

2 产品使用

3 产品储存/运输

4 实验数据展示

## 重组小鼠烯醇化酶1 /Recombinant ENO1, Mouse, Animal-Free

产品编号	CM098-5MP	CM098-20MP	CM098-100MP	CM098-500MP	CM098-1000MP
规格	5 µg	20 µg	100 µg	500 µg	1 mg

### 产品简介

#### 背景描述

Enolase 1 (ENO1) also named alpha-enolase which is a glycolytic enzyme that plays the key reactions of glycolysis. It could convert the NAD<sup>+</sup> to NADH by producing two ATP. ENO1 is a homodimer which is composed by two isozymes of enolase (2  $\alpha$ , 2  $\nu$ , or 2  $\beta$ ). It also plays an important role in cancer model which can promote tumor cell proliferation and migration by the PI3K signaling pathway. ENO1 is a biomarker of prognostic and diagnostic cancer.

#### 别称

enolase 1, alpha non-neuron, NNE, Eno-1, MBP-1

#### 蛋白编码

P17182

#### 分子量

The protein has a calculated MW of 47.82 kDa. The protein migrates about 48 kDa under reducing condition (SDS-PAGE analysis).

#### 表达系统

Escherichia coli

#### 纯度

>98% 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

SILRIHAREIFDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDNDKTRFMGKGVSQAV  
EHINKTIAPALVSKKVNVEQEIKDKLMIEMDGTENKSKFGANAILGVSLAVCKAGAVEKGVPL  
YRHIADLAGNPEVILPVPAFNVINGGSHAGNKLAMQEFMILPVGASSFREAMRIGAEVYHNLK  
NVIKEYGKDATNVGDEGGFAPNILENKEALELLKTAIAKAGYTDQVVIGMDVAASEFYRSGKY  
DLDFKSPDDPSRYITPDQLADLYKSFVQNYPPVVSIEDPFDQDDWGAWQKFTASAGIQVVG  
DLTVTNPKRIAKAASEKSCNCLLLKVNQIGSVTESLQACKLAQSNWGVMSHRSGETEDTFI  
ADLVVGLCTGQIKTGAPCRSERLAKYNQILRIEEELGSKAKFAGRSFRNPLAKwith  
polyhistidine tag at the N-terminus

#### 产品形式

The protein was lyophilized from a 0.2 µm filtered solution containing 7 mM MgSO<sub>4</sub> in 1X PBS, pH 7.2. 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 H<sub>2</sub>O 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

### 储存

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

**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 mouse ENO1

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. [www.chamot-bio.com](http://www.chamot-bio.com)

Tel: 021-51880030 Mail: [info@chamot-bio.com](mailto:info@chamot-bio.com) QQ: 864920491