

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



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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⁺ to NADH by producing two ATP. ENO1 is a homodimer which is composed by two isozymes of enolase (2 α , 2 ν , or 2 β). 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 MgSO₄ 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 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

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

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