

CHAMOT

Recombinant ENO1, Human, Animal-Free

CM179-5HP

CM179-20HP

CM179-100HP

CM179-500HP

CM179-1000HP



CHAMOT

乔默®生物

Specialize In Cytokines



CONTENT

1 Product Specifications

2 Product Note

3 Storage/Shipping

4 Scientific Data

Recombinant ENO1, Human, Animal-Free

Catalog#	CM179-5HP	CM179-20HP	CM179-100HP	CM179-500HP	CM179-1000HP
Size	5 ug	20 ug	100 ug	500 ug	1 mg

Product Specifications

Background Enolase 1 (ENO1) also named alpha-enolase which is a glycolytic enzyme. 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.

Synonyms enolase 1, NNE, PPH, MPB1, ENO1L1, HEL-S-17

Uniprot ID P06733

Molecular Weight The protein has a calculated MW of 47.85 kDa. The protein migrates as 55 kDa under reducing condition (SDS-PAGE analysis).

Expression System Escherichia coli

Purity >98% as determined by SDS-PAGE.

Activity Testing in process

Endotoxin Level <0.1 EU per 1 μ g of the protein by the LAL method.

Protein Sequence SILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALERDNDKTRYMGKGVSK
AVEHINKTIAPALVSKKLNVTQEKEIDKLMIEMDG TENKSKFGANAILGVSLAVCKAGAVEKG
VPLYRHIADLAGNSEVILPVPAFNVINGGSHAGNKLAMQEFMILPVGAANFREAMRIGAEV
YHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKTAIGKAGYTDKVVIGMDVAASE
FFRSGKYDLDFKSPDDPSRYISPDQLADLYKSFIKDYPVVSIEDPFDQDDWGAWQKFTASA
GIQVVGGDDLTVTNPKRIAKAVNEKSCNCLLLKVNQIGSVTESLQACKLAQANGWGMVSH
RSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLLRIEEEELGSKAKFAGRNFRNPLAK
with polyhistidine tag at the N-terminus

Form The protein was lyophilized from a 0.2 μ m filtered solution containing 7 mM MgSO₄ in 1X PBS, pH 7.2 If you have any concerns or special requirements, please

confirm with us.

Application Cell Culture

Product Note

Centrifuge at 3000 rpm for 5 mins before opening. It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 µg/mL and incubate the stock solution at room temperature for at least 20 mins to ensure sufficient re-dissolved. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

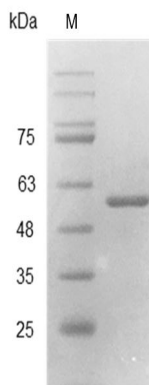
Storage/Shipping

Stability & Storage

Lyophilized protein should be stored at -20°C for 1 year. Upon reconstitution, store at 2°C to 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 -20°C or -80°C for 3-6 months. Avoid repeated freeze/thaw cycles.

Shipping Blue Ice

Scientific Data



SDS- PAGE analysis of recombinant human ENO1

For Research Use or Further Manufacturing Only

Chamot Biotechnology(Shanghai) Co., Ltd. www.chamot-bio.com

Tel: 021-51880030 Mail: info@chamot-bio.com QQ: 864920491