

RMCM098

Recombinant ENO1, Mouse, AF



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5ug;20ug;100ug;500ug;

Synonym/Alternative name(s):

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

Activity : N/A

Protein Description:

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.

Protein Accession : P17182.3

Gene ID : 13806

Expression Sequence:

SILRIHAREIFDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDNDKTRFMGKGVSQAVEHINKTIAPALVSKKVNVEQEKIDKL
MIEMDGTENKSKFGANAILGVS LAVCKAGAVEKGVPLRHIADLAGNPEVILPVPFNVINGGSHAGNKLAMQEFMILPVGASSFREA
MRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEALELLKTAIAKAGYTDQVVIGMDVAASEFYRSGKYDLDFKSPDDPSRYI
TPDQLADLYKSFVQNYPVVSIEDPFDQDDWGAWQKFTASAGIQVVGDDLTVTNPKRIAKAASEKSCNCLLLKVNQIGSVTESLQACKLA
QSNWGWVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQILRIEELGSKAKFAGRSFRNPLAKwith polyhistidine
tag at the N-terminus

Fusion tag : His-tag?at?the?N-terminus

Species : Mouse

Reactivity : Mouse

Expression Host : Escherichia coli

Source : E. coli

Purity/method:

>98% as determined by SDS-PAGE. Ni-NTA chromatography

Endotoxin level:

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

Calculated Molecular Weight : 47.82 kDa

Formulation:

The protein was lyophilized from a solution containing 1X PBS, containing 7 mM MgSO₄, pH 7.2

Reconstitution:

It is recommended to reconstitute the lyophilized protein in sterile H₂O to a concentration not less than 100 μ g/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping : Blue Ice

Stability and 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

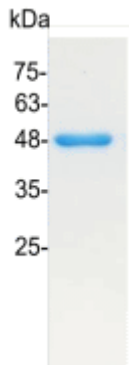
stabilizer (e.g. 0.1%

BSA, 10%FBS, 5%HSA or 5% trehalose solution), protein aliquots should be stored at -20°C or -80°C for 3-6 months.

Category : Cytokines

Application : Cell culture, Elisa

Image:



SDS- PAGE analysis of recombinant mouse ENO1