

Recombinant Mouse Eno1 Protein (Ser2-Lys434), N-His tagged, Animal-free, Carrier-free

Cat. No. Eno1-22M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Eno1 Protein (Ser2-Lys434) with N-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Mouse
Source	E.coli
ProteinLength	Ser2-Lys434
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.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 47.82 kDa. The protein migrates about 48 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>98% as determined by SDS-PAGE analysis.

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Storage	This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS with 7 mM MgSO ₄ , pH 7.2
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

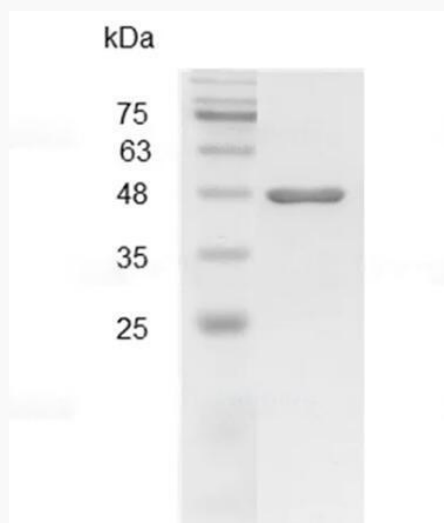
Gene Name	Eno1 enolase 1, alpha non-neuron [Mus musculus (house mouse)]
Official Symbol	Eno1
Synonyms	ENO1; enolase 1, alpha non-neuron; alpha-enolase; NNE; non-neural enolase; c-Myc promoter binding protein; 2-phospho-D-glycerate hydrolase; 2-phospho-D-glycerate hydro-lyase; Eno-1; MBP-1; AL022784; 0610008115; MGC103111; MGC107267;
Gene ID	13806
mRNA Refseq	NM_023119
Protein Refseq	NP_075608
UniProt ID	P17182

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**SDS-PAGE analysis
of recombinant
mouse ENO1.**



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