

Datasheet for ABIN7281198

ENO2/NSE Protein (AA 1-434) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	ENO2/NSE (ENO2)
Protein Characteristics:	AA 1-434
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This ENO2/NSE protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMSEIKIW AREILDSRGN PTVEVDLYTA KGLFRAAVPS GASTGIYEAL ELRDGDKQRY LGKGVKAVD HINSRIAPAL ISSGISVVEQ EKLDNLMLEL DGTENKSKFG ANAILGVSLA VCKAGAAERD LPLYRHIAQL AGNSDLILPV PAFNVINGGS HAGNKLAMQE FMILPVGAES FRDAMRLGAE VYHTLKGVIK DKYKGDATNV GDEGGFAPNI LENSEALELV KEAIDKAGYT EKMVIGMDVA ASEFYRDGKY DLDKSPADP SRYITGDQLG ALYQDFVRNY PVVSIEDPFD QDDWAAWSKF TANVGIVG DDLTVTNPKR IERAVEEKAC NCLLLKVNQI GSVTEAIQAC KLAQENGWGV MVSHRSGETE DTFIADLVVG LCTGQIKTGA PCRSERLAKY NQLMRIIEEL GDEARFAGHN FRNPSVL
Purity:	> 95 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 10,000 pmol/min/ug, and was obtained by measuring the decrease of NAD

Product Details

in absorbance at 340nm resulting from NADH at pH 6.5 at 37C.

Target Details

Target: ENO2/NSE (ENO2)

Alternative Name: Eno2 ([ENO2 Products](#))

Background: Eno2, also known as Gamma enolase isoform1, is a glycolytic isoenzyme which is located in central and peripheral neurons and neuroendocrine cells. This enzyme is released into the CSF when neural tissue is injured. Neoplasms derived from neural or neuroendocrine tissue may release Eno2 into the blood. Eno2 is a useful substance that has been detected in patients with certain tumors, namely: neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma. Recombinant mouse Eno2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 49.7kDa (457aa) confirmed by MALDI-TOF

NCBI Accession: [NP_038537](#)

UniProt: [P17183](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

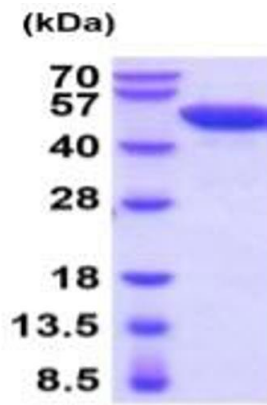
Format: Liquid

Concentration: 1 mg/mL

Buffer: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.