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Datasheet for ABIN1001083

ENO2/NSE Protein (AA 2-434) (His tag)

Overview

Quantity:	10 µg
Target:	ENO2/NSE (ENO2)
Protein Characteristics:	AA 2-434
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ENO2/NSE protein is labelled with His tag.
Application:	Western Blotting (WB), Control (Ct)

Product Details

Purpose:	Neuronal Specific Enolase (NSE) (Western Blot Control)
Sequence:	SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST SIEKIWAREI LDSRGNPTVE VDLYTAKGLF RAAVPSGAST ERLAKYNQLM RIEEELGDEA RFAGHNFRNP SVL
Characteristics:	recombinant NSE comprises a 433 amino acid fragment (2-434) corresponding to processed mature NSE protein and is expressed in E. coli with an amino-terminal hexahistidine tag.

Product Details

Purity: > 95 %

Target Details

Target: ENO2/NSE (ENO2)

Abstract: [ENO2 Products](#)

Background: NSE is the ?? isoform of the glycolytic enzyme enolase and is expressed primarily in neurons, in normal and neoplastic neuroendocrine cells . NSE is a highly soluble cytoplasmic protein that is readily secreted into the CSF and serum following tissue damage. NSE shows neurotrophic and neuroprotective properties on a broad spectrum of central nervous system (CNS) neurons and binds in a calciumdependent manner to cultured neocortical neurons promoting cell survival.,Neuronal specific enolase, EC. 4.2.1.11, 2-phospho-Dglycerate hydrolyase, enolase 2 (gamma neuronal), neuron specific enolase, neural enolase, enolase 2

Molecular Weight: 51.64 kDa

UniProt: [P09104](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Supplied in 1x Laemmli Buffer (25 mM Tris-HCl pH 6.8, 50 mM DTT, 1 % (w/v) SDS, 0.1 % (w/v) Bromophenol Blue, 2.5 % Glycerol).

Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20 °C