

ENO2 Human

Description: Human Neurone Specific Neuron Specific Enolase produced in Human CNS having a molecular mass of 45kDa.

Catalog #: ENPS-378

Synonyms: Gamma-Neuron Specific Enolase, EC 4.2.1.11, 2-phospho-D-glycerate hydro-lyase, Neural Neuron Specific Enolase, Neuron-specific Neuron Specific Enolase, NSE, Neuron Specific Enolase 2, ENO2.

For research use only.

Source: Human CNS.

Physical Appearance: Sterile Filtered clear solution.

Purity: Greater than 96.0%.

Formulation:

The protein solution is in 0.01M NaH₂PO₄ buffer pH 7.4 containing 0.15M NaCl and 0.005M MgSO₄.

Stability:

Human NSE although stable at 4°C for 1 week, should be stored at -15°C.

Usage:

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Introduction:

Neuron-specific Neuron Specific Enolase also called NSE is a glycolytic isoenzyme which is situated in central and peripheral neurons and neuroendocrine cells. Neuron Specific Enolase-2 is released into the CSF when neural tissue is injured. Neoplasms derived from neural or neuroendocrine tissue release Neuron Specific Enolase-2 into the blood. Neuron Specific Enolase-2 is a useful substance that has been detected in patients with certain tumors, such as neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma. ENO2 is 1 of the 3 Neuron Specific Enolase isoenzymes found in mammals. ENO2 isoenzyme, is found in mature neurons and cells of neuronal origin. An exchange from alpha Neuron Specific Enolase to gamma Neuron Specific Enolase occurs in neural tissue during development in rats and primates.

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