

ENO2 Human, His

Description:Neuron Specific Neuron Specific Enolase Human Recombinant is expressed in E. coli containing 433 amino acids 2-434 fused to an amino terminal hexahistidine tag. The NSE is purified by proprietary chromatographic techniques.

Catalog #:ENPS-305

For research use only.

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.

Source:Escherichia Coli.

Physical Appearance:Sterile Filtered clear solution.

Purity:Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.

Formulation:

Neuron Specific Enolase 2 is supplied in 10mM Tris-HCl (pH 8), 250mM NaCl, 0.5mM DTT, 1.5mM Cysteine, and 50% Glycerol.

Stability:

Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time. Please prevent freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

NSE is the isoform of the glycolytic enzyme Neuron Specific 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 calcium-dependent manner to cultured neocortical neurons promoting cell survival.

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