
Product Data Sheet

Product Name: ENO2 Human, His

Cat. No.: GP21600

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Gamma-enolase; EC 4.2.1.11; 2-phospho-D-glycerate hydro-lyase; Neural enolase; Neuron-specific enolase; NSE; Enolase 2; ENO2.		
Formulation	Enolase 2 is supplied in 10mM Tris-HCl (pH 8), 250mM NaCl, 0.5mM DTT, 1.5mM Cysteine, and 50% Glycerol.		

Introduction

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 calcium-dependent manner to cultured neocortical neurons promoting cell survival.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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