Creative Enzymes®

Neuronal Specific Enolase (His Tag) from Human, Recombinant

Cat. No. NATE-0903

Lot. No. (See product label)

Introduction

Description NSE is the γ 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.

Applications Recombinant Human NSE can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments.

Synonyms EC 4.2.1.11; Neuron Specific Enolase; NSE; enolase; 2-phosphoglycerate dehydratase; 14-3-2-protein; nervous-system specific enolase; phosphoenolpyruvate hydratase; 2-phosphoglycerate dehydratase; 2-phosphoglyceric dehydratase; 2-phosphoglycerate enolase; γ-enolase; 2-phospho-D-glycerate hydro-lyase; phosphopyruvate hydratase

Product Information

Species Human

Source E. coli

Appearance Sterile Filtered clear solution.

EC Number EC 4.2.1.11

CAS No. 9014-08-8

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

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

Storage and Shipping Information

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.