

ENO2

Human Recombinant NSE/Neuron Specific Enolase His

Catalog No.	CSI12694 CSI12695 CSI12696	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Gamma-enolase, EC 4.2.1.11, 2-phospho-D-glycerate hydro-lyase, Neural enolase, Neuron-specific enolase, NSE, Enolase 2, ENO2.		
Description:	<p>NSE is the gamma 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.</p> <p>Neuron Specific Enolase Human Recombinant is expressed in <i>E. coli</i> containing 433 amino acids 2-434 fused to an amino terminal hexahistidine tag.</p>		
Physical Appearance:	Sterile Filtered clear solution.		
Gene ID:	2026		
Source:	<i>E. coli</i>		
Formulation:	Enolase 2 is supplied in 10 mM Tris-HCl (pH 8) + 250 mM NaCl + 0.5 mM DTT + 1.5 mM Cysteine, and 50% Glycerol.		
Purity:	Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.		
Purification:	The NSE is purified by proprietary chromatographic techniques.		
Applications:	Recombinant Human NSE can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments. The biological activity of this product has not yet been tested.		
Storage & 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.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

