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32-9545: Recombinant Human Gamma-enolase/NSE/ENO2(N-6His)

Alternative Name : Gamma-enolase;2-phospho-D-glycerate hydro-lyase;Enolase 2;Neural enolase;Neuron-specific enolase;NSE;ENO2

Description

Source : E. coli;
Gamma-enolase, also known as Enolase 2, belongs to the enolase family. The alpha/alpha homodimer of ENO2 is expressed in embryo and in most adult tissues. The alpha/beta heterodimer and the beta/beta homodimer are found in striated muscle, and the alpha/gamma heterodimer and the gamma/gamma homodimer in neurons. During ontogenesis, there is a transition from the alpha/alpha homodimer to the alpha/beta heterodimer in striated muscle cells, and to the alpha/gamma heterodimer in nerve cells. Levels of ENO2 increase dramatically in cardiovascular accidents, cerebral trauma, brain tumors and Creutzfeldt-Jakob disease. ENO2 has neurotrophic and neuroprotective properties on a broad spectrum of central nervous system (CNS) neurons. It binds to cultured neocortical neurons and promotes cell survival in a calcium-dependent manner.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM Tris,100mM KCl,5mM MgSO4,pH7.5.

Amino Acid : Recombinant Human Gamma-enolase is produced by our E.coli expression system and the target gene encoding Met1-Leu434 is expressed with a 6His tag at the N-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.