

### 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.