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NSE Blocking Peptide (C-term)
Synthetic peptide
Catalog # BP19830b

Specification

NSE Blocking Peptide (C-term) - Product Information

Primary Accession	P09104
Other Accession	P07323, P17183, NP_001966

NSE Blocking Peptide (C-term) - Additional Information

Gene ID 2026

Other Names
Gamma-enolase, 2-phospho-D-glycerate hydro-lyase, Enolase 2, Neural enolase, Neuron-specific enolase, NSE, ENO2

Target/Specificity
The synthetic peptide sequence is selected from aa 228-239 of HUMAN ENO2

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NSE Blocking Peptide (C-term) - Protein Information

Name ENO2

Function
Has neurotrophic and neuroprotective properties on a broad spectrum of central nervous system (CNS) neurons. Binds, in a calcium- dependent manner, to cultured neocortical neurons and promotes cell survival (By similarity).

Cellular Location
Cytoplasm. Cell membrane. Note=Can translocate to the plasma membrane in either the homodimeric (alpha/alpha) or heterodimeric (alpha/gamma) form

Tissue Location
The alpha/alpha homodimer 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

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NSE Blocking Peptide (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

NSE Blocking Peptide (C-term) - Images

NSE Blocking Peptide (C-term) - Background

This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.

NSE Blocking Peptide (C-term) - References

Martins-de-Souza, D., et al. J Psychiatr Res 44(14):989-991(2010)
Mukhtarova, S.N. Georgian Med News 181, 49-54 (2010) :
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Chaves, M.L., et al. J Neuroinflammation 7, 6 (2010) :
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