

Human recombinant protein Neuron-Specific Enolase (NSE)
Human Recombinant Neuron-Specific Enolase (NSE)
Catalog # PBV10599r

Specification

Human recombinant protein Neuron-Specific Enolase (NSE) - Product info

Primary Accession	P09104
Concentration	1
Calculated MW	47 kDa (434 aa, 1-434 aa) KDa

Human recombinant protein Neuron-Specific Enolase (NSE) - Additional Info

Gene ID	2026
Gene Symbol	ENO2

Other Names
Enolase 2 (gamma, neuronal), ENO2.

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>8 units/ml
Sequence	MSIEKIWARE ILDSRGNPTV EVDLYTAKGL FRAAVPSGAS TGIYEALRLR DGDQRYLGK GVLKAVDHIN STIAPALISS GLSVVEQEK DNLMLELDGT ENKSKFGANA ILGVSLAVCK AGAAERELPL YRHIAQLAGN SDLILPVPF NVIINGGSHAG NKLAMQEFMI LPVGAESFRD AMRLGAEVYH TLKGVIKDKY GKDATNVGDE GGFAPNILEN SEALELVKEA IDKAGYTEKI VIGMDVAASE FYRDGKYDLD FKSPTDPSRY ITGDQLGALY QDFVRDYPVV SIEDPFDQDD WAAWSKFTAN VGIQIVGDDL TVTNPKRIER AVEEKACNCL LLKVNQIGSV TEAIQACKLA QENGWGVMSV HRSGETEDTF IADLVVGLCT GQIKTGAPCR SERLAKYNQL MRIEEEELGDE ARFAGHNFRN PSVL

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl (pH 7.5) containing 100 mM KCl and 5 mM MgSO4.

Human recombinant protein Neuron-Specific Enolase (NSE) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein Neuron-Specific Enolase (NSE) - Images

Human recombinant protein Neuron-Specific Enolase (NSE) - Background

Neuron-specific enolase (NSE) is a glycolytic isoenzyme which is located in central and peripheral neurons and neuroendocrine cells. This enzyme is released into the CSF when neural tissue is injured. Neoplasms derived from neural or neuroendocrine tissue may release NSE into the blood. NSE is a useful substance that has been detected in patients with certain tumors, namely - neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma. 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.

Human recombinant protein Neuron-Specific Enolase (NSE) - References

McAleese S.M.,et al.Eur. J. Biochem. 178:413-417(1988).
van Obberghen E.,et al.J. Neurosci. Res. 19:450-456(1988).
Oliva D.,et al.Gene 79:355-360(1989).
Oliva D.,et al.Genomics 10:157-165(1991).
Ansari-Lari M.A.,et al.Genome Res. 7:268-280(1997).