

Neuron-Specific Enolase (NSE), 1-434aa, Human, Recombinant, E.coli

Cat.NO.: TP03147

3th Edition

Synonyms:Enolase 2 (gamma, neuronal)

Description: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.

Form:Liquid in 20mM Tris pH7.5, 0.1M KCl, 5mM MgSO₄

Molecular Weight:47 kDa (434 aa)

Sequences:

MSIEKIWAREILD SRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDGDQKQRYLGKGVKAVDHIINSTIAPALIS
SGLSVVEQEKL DNLMLELDGTENKSKFGANAILGVSLAVCKAGAAERELPLYRHIAQLAGNSDLILPVPFNVINGGS
HAGNKLAMQEFMILPVGAESFRDAMRLGAEVYHTLKGVIKDKYGKDATNVGDEGGFAPNILENSEALELVKEAIDKA
GYTEKIVIGMDVAASEFYRDGKYDLDFKSPTDPSRYITGDQLGALYQDFVRDYPVVSIEDPFDQDDWAAWSKFTAN
VGIQIVGDDLTVTNPKRIERA VEEKACNCLLLKVNQIGSVTEAIQACKLAQENGWGMVSHRSGETEDTFIADLVVG
LCTGQIKTGAPCRSERLAKYNQLMRIEEELGDEARFAGHNFRNPSVL

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.