

Product specifications

Name	Recombinant NSE antigen, 100 µg
Description	Recombinant human neuron-specific enolase (NSE) γ-isoform with a C-terminal histidine tag. Predicted molecular weight: 48 kDa.
Amino acid sequence	MSIEKIWAREILDSRGNPTVEVDLYTAKGLFRAAVPSGASTGIYEALERDGDQRYLGKGVLKAVDHN STIAPALISSGLSVVEQEKLNLMLELDGTENKSKFGANAILGVSLAVCKAGAAERELPLYRHIAQLAGN SDLILPVPFNVINGGSHAGNKLAMQEFMILPVGAEFRDAMRLGAEVYHTLKGVIKDKYKDATNVG DEGGFAPNILENSEALELVKEAIDKAGYTEKIVIGMDVAASEFYRDGKYDLDFKSPTDPSRYITGDQLGA LYQDFVRDYPVVSIEDPFDQDDWAAWSKFTANVGIQIVGDDLTVTNPKRIERAVEEKACNCLLLKVNQ IGSVTEAIQACKLAQENGWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIE ELGDEARFAGHNFRNPSVLSGHHHHHH
Product host	<i>Escherichia coli (E. coli)</i>
Product code	610150
Product formulation	Liquid
Product buffer solution	50 mM Tris-HCl, 150 mM NaCl, 5 mM MgSO ₄ , 0.02 % Tween 20, pH 7.5, 0.095 % NaN ₃ as a preservative
Reconstitution	N/A
Shelf life and storage	Unspecified, storage at 2–8 °C
Analyte description	Neuron-specific enolase (NSE) has been detected in patients with certain tumors, namely: neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma. Studies of NSE as a tumor marker have concentrated primarily on patients with neuroblastoma and small cell lung cancer. Measurement of NSE levels in patients with these two diseases can provide information about the extent of the disease and the patient's prognosis, as well as about the patient's response to treatment.
Product concentration	Lot specific
Purity	Capillary electrophoresis (CE-SDS)
	
Reactivity with MedixMABs	Anti-h NSE 9601: + Anti-h NSE 9602: +

