

NSE native protein

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CATALOG # AAA75226	HOST Human
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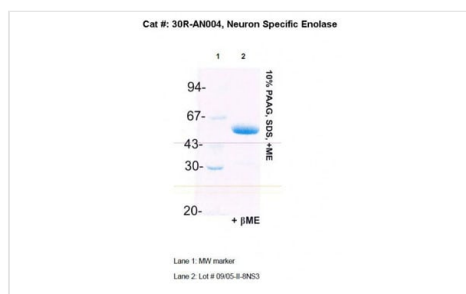
PRODUCT SYNONYMS

NSE; NSE protein; Neural enolase protein; Enolase 2 gamma neuronal protein; Neuron Specific Enolase protein; Neuron specific enolase protein; Enolase 2 protein; gamma-enolase protein; Enolase2 protein; Neuron specific gamma enolase protein; gamma enolase protein; NSE native protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	> 95% by SDS-PAGE NSE protein was purified using Ion-exchange chromatography and gel-filtration.
Form/Format	Frozen liquid in 100mM Tris-HCl, with 5 mM Mg ₂ SO ₄ , and 250mM KCl, pH 5.1 adjusted with sodium phosphate.
Concentration	0.81mg/ml (varies by lot)
Sequence Length	434
Source	Post mortem human brain
Protein Type	Native
Biological Significance	Neuron-specific enolase (NSE), is an enzyme that in humans is encoded by the ENO2 gene. Gamma-enolase is a phosphopyruvate hydratase. Gamma-enolase is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. Detection of NSE with antibodies can be used to identify neuronal cells and cells with neuroendocrine differentiation.
Biohazard Information	Blood sample from the tissue donor was tested and found negative for HBsAg, HCV, HIV-1 and 2 antibodies and syphilis
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Aliquot and store at -20 degree C. Avoid repeated Freeze/Thaw cycles Shipping: Ships with Dry Ice.

IMAGES



SDS-PAGE

This is a representative image of one lot of the NSE protein. Appearance of the protein on SDS-PAGE gels will vary from lot to lot.

ADDITIONAL INFORMATION

Related Product Information for NSE native protein	Purified native Human NSE protein
Product Categories/Family for NSE native protein	Neuroscience; Native Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	2465396
NCBI GeneID	24334
UniProt Accession #	P07323
Molecular Weight	47,141 Da
NCBI Official Full Name	neuron-specific enolase
NCBI Official Synonym Full Names	enolase 2, gamma, neuronal
NCBI Official Symbol	Eno2
NCBI Official Synonym Symbols	NSE; RNEN3
NCBI Protein Information	gamma-enolase
UniProt Protein Name	Gamma-enolase
UniProt Gene Name	Eno2
UniProt Synonym Gene Names	Eno-2; NSE
UniProt Entry Name	ENOG_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-native-protein/nse/75226>