
Product Data Sheet

Product Name: ENO2 Protein
Cat. No.: GP21599
Batch No.: 1

Product Data

Purity	>98%	Source	Human CNS.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Gamma-enolase; EC 4.2.1.11; 2-phospho-D-glycerate hydro-lyase; Neural enolase; Neuron-specific enolase; NSE; Enolase 2; ENO2.		
Formulation	The protein solution is in 0.01M NaH ₂ PO ₄ buffer pH 7.4 containing 0.15M NaCl and 0.005M MgSO ₄ .		

Introduction

Neuron-specific enolase also called NSE is a glycolytic isoenzyme which is situated in central and peripheral neurons and neuroendocrine cells. Enolase-2 is released into the CSF when neural tissue is injured. Neoplasms derived from neural or neuroendocrine tissue release Enolase-2 into the blood. Enolase-2 is a useful substance that has been detected in patients with certain tumors, such as neuroblastoma, small cell lung cancer, medullary thyroid cancer, carcinoid tumors, pancreatic endocrine tumors, and melanoma. ENO2 is 1 of the 3 enolase isoenzymes found in mammals. ENO2 isoenzyme, is found in mature neurons and cells of neuronal origin. An exchange from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.

Stability

Human NSE although stable at 4°C for 1 week, should be stored at -15°C .

Background

Human Neurone Specific Enolase produced in Human CNS having a molecular mass of 45kDa.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA