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32-2307: ENO2 Native Protein

Alternative Name : Gamma-enolase,EC 4.2.1.11,2-phospho-D-glycerate hydro-lyase,Neural enolase,Neuron-specific enolase,NSE,Enolase 2,ENO2.

Description

Source : Human CNS. Human Neurone Specific Enolase produced in Human CNS having a molecular mass of 45kDa. Neuron-specificenolase also caled 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.

Product Info

Amount :	50 µg
Purification :	Greater than 96.0%.
Content :	The protein solution is in 0.01M NaH2PO4 buffer pH 7.4 containing 0.15M NaCl and 0.005M MgSO4.
Storage condition :	Human NSE although stable at 4°C for 1 week, should be stored at -15°C.