

ENO2

Recombinant Human Enolase 2

Catalog No.	CSI14054 CSI14055 CSI14056	Quantity:	5 µg 25 µg 1.0 mg
Alternate Names:	Neuron-specific enolase, neural enolase, gamma-enolase, 2-phospho-D-glycerate hydrolyase, NSE, ENO2.		
Description:	<p>Recombinant Human Enolase 2 contains 434 amino acids and is purified by proprietary chromatographic techniques.</p> <p>Enolase 2 (ENO2) is a glycolytic isoenzyme which is situated in central and peripheral neurons and neuroendocrine cells. It is released into the cerebral spinal fluid when neural tissue is injured. 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.</p> <p>Neoplasms derived from neural or neuroendocrine tissue release Enolase 2 into the blood. ENO2 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.</p>		
Gene ID:	2026		
Source:	<i>E. coli</i>		
Molecular Weight:	47 kDa		
Formulation:	Sterile filtered clear solution containing 20 mM Tris, pH-7.5, + 0.1M KCl + 5 mM MgSO ₄ .		
Purity:	>98% as determined by SDS-PAGE.		
Endotoxin Level:	< 0.1 ng/µg of protein.		
Amino Acid Sequence:	MSIEKIWARE ILDSRGNPTV EVDLYTAKGL FRAAVPSGAS TGIYEALRLR DGDKQRYLGK GVLKAVDHIN STIAPALISS GLSVVEQEKL DNLMLELDGT ENKSKFGANA ILGVSLAVCK AGAAERELPL YRHIAQLAGN SDLILPVPAF NVINGGSHAG NKLAMQEFMI LPVGAESFRD AMRLGAEVYH TLKGVIKDKY GKDATNVGDE GGFAPNILEN SEALELVKEA IDKAGYTEKI VIGMDVAASE FYRDGKYDLD FKSPTDPSRY ITGDQLGALY QDFVRDYPVV SIEDPFDQDD WAAWSKFTAN VGIQIVGDDL TVTNPKRIER AVEEKACNCL LLKVNQIGSV TEAIQACKLA QENGWGVMVS HRSGETEDTF IADLVVGLCT GQIKTGAPCR SERLAKYNQL MRIEEEELGDE ARFAGHNFRN PSVL.		
Storage & Stability:	Stable at 2-4°C for 1 week. Store at -20°C. For long term storage, aliquot and freeze working stocks. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

