

## Neuronal Specific Enolase-2 Mouse Recombinant

<b>Item Number</b>	rAP-1073
<b>Synonyms</b>	AI837106, D6Ert375e, Eno-2, NSE, 2-phospho-D-glycerate hydro-lyase, Enolase 2, Neural enolase, Neuron-specific enolase.
<b>Description</b>	ENO2 Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 457 amino acids (1-434) and having a molecular mass of 49.7kDa. ENO2 is fused to a 23 amino acid His-tag at N-terminus&amp; purified by proprietary chromatographic techniques.
<b>Uniprot Accesion Number</b>	P17183
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGSMSIEKIW AREILD SRGN PTVEVDLYTA KGLFRAAVPS GASTGIYEAL ELRGDKQRY LGKGVLKAVD HINSRIAPAL ISSGISVVEQ EKLDNL MLEL DGTE NKS KFG ANAILGVSLA VCKAGAAERD LPLYRHIAQL AGNSDLILPV PAFNVINGGS HAGNKLAMQE FMILPVGAES FRDAMRLGAE VYHTLKGVIK DKYGKDATNV GDEGGFAPNI LENSEALELV KEAIDKAGYT EK MVIGMDVA ASEFYRDGKY DLDFKSPADP SRYITGDQLG ALYQDFVRNY PVVSIEDPFD QDDWAWSKF TANVGIQIVG DDLTVTNPKR IERAVEEKAC NCLLKV NQI GSVTEAIQAC KLAQENGWGV MVSHRSGETE DTFIADLVG LCTGQIKTGA PCR SERLAKY NQLMRIEEEL GDEAR-FAGHN FRNPSVL.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	Sterile Filtered clear colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
<b>Formulation and Purity</b>	The ENO2 solution (1mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	Specific activity is > 10,000 pmol/min/μg, and was obtained by measuring the decrease of NAD in absorbance at 340nm resulting from NADH at pH 6.5 at 37°C.
<b>Shipping Format and Condition</b>	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**