

Neuronal Specific Enolase-2 Mouse Recombinant

Item Number	rAP-1073
Synonyms	AI837106, D6Ert375e, Eno-2, NSE, 2-phospho-D-glycerate hydro-lyase, Enolase 2, Neural enolase, Neuron-specific enolase.
Description	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& purified by proprietary chromatographic techniques.
Uniprot Accession Number	P17183
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEIKIW AREILDSRGN PTVEVDLYTA KGLFRAAVPS GASTGIYEAL ELRDGDKQRY LGKGVKAVD HINSRIAPAL ISSGISVVEQ EKLDNLMLEL DGTEKSKFG ANAILGVSLA VCKAGAAERD LPLYRHIAQL AGNSDLILPV PAFNVINGGS HAGNKLAMQE FMILPVGAES FRDAMRLGAE VYHTLKGVIK DKYGKDATNV GDEGGFAPNI LENSEALELV KEAIDKAGYT EKMVIGMDVA ASEFYRDGKY DLDFKSPADP SRYITGDQLG ALYQDFVRNY PVSIEDPFD QDDWAAWSKF TANVGIQIVG DDLTVTNPKR IERAVEEKAC NCLLLKVNQI GSVTEAIQAC KLAQENGWGV MVSHRSGETE DTFIADLVVG LCTGQIKTGA PCRSERLAKY NQLMRIEEL GDEAR- FAGHN FRNPSVL.
Source	Escherichia Coli.
Physical Appearance and Stability	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.
Formulation and Purity	The ENO2 solution (1mg/ml) contains Phosphate Buffered Saline (pH7.4) and 10% glycerol. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	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.
Shipping Format and Condition	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**