

Enolase-1 Human Recombinant

Item Number	rAP-1078
Synonyms	NNE, PPH, MPB1, MBP-1, ENO1L1, ENO1, Alpha-Enolase, Enolase-Alpha, 2-phospho-D-glycerate hydro-lyase, Non-neural enolase, Enolase 1, MPB-1, Phosphopyruvate hydratase, C-myc promoter-binding pro-tein, Plasminogen-binding protein, MBPB1.
Description	The ENO1 Human Recombinant protein is a single, non-glycosilated polypeptide chain produced in E. coli, having a molecular weight of 47.1kDa and containing 434 amino acids (1-434 a.a.).
Uniprot Accession Number	P06733
Amino Acid Sequence	MSILKIHARE IFDSRGNPTV EVDLFTSKGL FRAAVPSGAS TGIYEALRLR DNDKTRYMGK GVS KAVEHIN KTIAPALVSK KLVNTEQEKI DKLMIEMDGT ENKSKFGANA ILGVSLAVCK AGAVEKGVPL YRHIADLAGN SEVILPVPAF NVINGGSHAG NKLAMQEFMI LPVGAANFRE AMRIGAEVYH NLKNVIKEKY GKDATNVGDE GGFAPNILEN KEGLELLKTA IGKAGYTDKV VIGMDVAASE FFRSGKYDLD FKSPDDPSRY ISPDQLADLY KSFIKDYPVV SIEDPFDQDD WGAWQKFTAS AGIQVVGDDL TVTNPKRI- AK AVNEKSCNCL LLKVNQIGSV TESLQACKLA QANGWGMVS HRSGETEDTF IADLVVGLCT GQIK- TGAPCR SERLAKYNQL LRIEELGSK AKFAGRNFNRN PLAK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear 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 ENO1 protein solution (1mg/ml) is formulated in 20mM Tris-HCl pH-7.5 1mM MgSO4 and 10% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity: > 13 units/ml. One unit will convert 1.0 umole of 2-phosphoglycerate to phospho(enol) pyruvate per minute at pH7.5 at 25°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**