

## ENO1

### Recombinant Human Enolase-1

<b>Catalog No.</b>	CS470A CS470B CS470C	<b>Quantity:</b>	5 µg 25 µg 1 mg
<b>Alternate Names:</b>	NNE, PPH, MPB1, ENO1L1		
<b>Description:</b>	<p>Enolase-1 is a homodimeric soluble protein that encodes a smaller monomeric structural lens protein, tau-crystallin. ENO1 is a glycolytic enzyme expressed in mainly all tissues. ENO1 isoenzyme full length protein is found in the cytoplasm. The shorter protein is formed from another translation start that is restricted to the nucleus, and binds to a component in the c-myc promoter. ENO1 is involved in anaerobic metabolism under hypoxic conditions and plays a role as a cell surface plasminogen receptor during tissue invasion. Irregular expression of Enolase-1 is linked with tumor progression in several cases of breast and lung cancer. Enolase-1 is as an auto antigen associated with Hashimoto's encephalopathy and severe asthma. ENO1 is the target protein of serum anti-endothelial antibody in Behcet's disease.</p> <p>Recombinant Human ENO1 protein is a single, non-glycosylated polypeptide chain containing 434 amino acids (aa1-434).</p>		
<b>Gene ID:</b>	2023		
<b>Source:</b>	<i>E. coli</i>		
<b>Molecular Weight:</b>	47.1 kDa		
<b>Formulation:</b>	Sterile filtered clear solution formulated in 20mM Tris-HCl, pH7.5, + 1 mM MgSO <sub>4</sub> + 10% glycerol.		
<b>Purity:</b>	>90% as determined by SDS-PAGE		
<b>Amino Acid Sequence:</b>	MSILKIHARE IFDSRGNPTV EVDLFTSKGL FRAAVPSGAS TGIYEALRLR DNDKTRYMGK GVSKAVEHIN KTIAPALVSK KLVNTEQEKI DKLMIEMDGT ENKSKFGANA ILGVSLAVCK AGAVEKGVPL YRHIADLAGN SEVILPVPF NVINGGSHAG NKLAMQEFMI LPVGAANFRE AMRIGAEVYH NLKNVIKEY GKDATNVGDE GGFAPNILEN KEGLELLKTA IGKAGYTDKV VIGMDVAASE FFRSGKYDLD FKSPDDPSRY ISPDQLADLY KSFIDYPPV SIEDPFDQDD WGAWQKFTAS AGIQVVGDDL TVTNPKRIAK AVNEKSCNCL LLKVNQIGSV TESLQACKLA QANGWGMVS HRSGETEDTF IADLVVGLCT GQIKTGAPCR SERLAKYNQL LRIIEELGSK AKFAGRNFN PLAK.		
<b>Storage &amp; Stability:</b>	Store at 2-4°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). <b>Avoid repeated freeze-thaw cycles.</b>		

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