

Enolase 1/ENO1 Protein, Human (His)

Cat. No.:	HY-P70260
Synonyms:	rHuAlpha-enolase, His; Alpha-enolase; 2-phospho-D-glycerate hydro-lyase; C-myc promoter-binding protein; Enolase1; MBP-1; MPB-1; Non-neural enolase; NNE; Phosphopyruvate hydratase; Plasminogen-bindingprotein; ENO1
Species:	Human
Source:	E. coli
Accession:	P06733 (M1-K434)
Gene ID:	2023
Molecular Weight:	45-55 kDa

PROPERTIES

AA Sequence	MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGAS TGITYEALELRDNDKTRYMGKGVSKAVEHINKTIAPALVSK KLNVTQEKEIDKLMIEMDGTENKSKFGANAILGVSLAVCK AGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGSHAG NKLAMQEFMILPVGAANFREAMRIGAEVYHNLKNVIKEY GKDATNVGDEGGFAPNILENKEGLELLKTAIGKAGYTDKV VIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLY KSF IKDYPVVSIEDPFDQDDWGAWQKFTASAGIQVVGDDL TVTNPKRIAKAVNEKSCNCLLLKVNQIGSVTESLQACKLA QANGWGVMSHRSGETEDTFIADLVVGLCTGQIKTGAPCR SERLAKYNQLLRIEEELGSKAKFAGRNFERNPLAK
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 250 mM NaCl, 1 mM MgSO ₄ , 20% Glycerol, 5% Trehalose, 5% Mannitol, 0.02% Tween80, pH 7.5.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background

α -enolase is expressed on the surface of several cell types, where it acts as a plasminogen receptor, concentrating proteolytic plasmin activity on the cell surface. Differential expression of α -enolase has been related to several pathologies, such as cancer, Alzheimer's disease, and rheumatoid arthritis, among others. α -Enolase can be considered as a marker of pathological stress in a high number of diseases, performing several of its multiple functions, mainly as plasminogen receptor^[1].

REFERENCES

[1]. Angels Díaz-Ramos, et al. α -Enolase, a multifunctional protein: its role on pathophysiological situations. J Biomed Biotechnol. 2012;2012:156795.

Caution: Product has not been fully validated for medical applications. For research use only.

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