

?-enolase, 1-434aa, Human, E.coli

Cat.NO.: TP02019

3th Edition

Synonyms:Non-Neuronal Enolase (NNE); Enolase-1(ENO1); MBP-1; MYC promoter-binding protein 1; PPH; taucristallin

Description:Alpha-enolase, also known as Enolase 1, is one of three enolase isoenzymes and a glycolytic enzyme expressed in most tissues. This protein plays a key role in anaerobic metabolism under hypoxic conditions and may act as a cell surface plasminogen receptor during tissue invasion. Abnormal expression of alpha-enolase is associated with tumor progression in some cases of breast and lung cancer.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 1 mM MgSO₄, 10% Glycerol

Molecular Weight:47.1 kDa (434aa)

Sequences:

MSILKIHAREIFDSRGNPTVEVDLFTSKGLFRAAVPSGASTGIYEALRLDNDKTRYMGKGVSKAVEHINKTIAPALVS
KKLNVTEQEKIDKLMIEMDGTENKSKFGANAILGVSLAVCKAGAVEKGVPLYRHIADLAGNSEVILPVPAFNVINGGS
HAGNKLAMQEFMILPVGAANFREAMRIGAEVYHNLKNVIKEKYGKDATNVGDEGGFAPNILENKEGLELLKTAIGKA
GYTDKVVIGMDVAASEFFRSGKYDLDFKSPDDPSRYISPDQLADLYKSFIKDYPVVSIEDPFDQDDWGAWQKFTAS
AGIQVVGDDLTVTNPKRIAKAVNEKSCNCLLLKVNQIGSVTESLQACKLAQANGWGMVSHRSGETEDTFIADLVV
GLCTGQIKTGAPCRSERLAKYNQLLRIEELGSKAKFAGRNFRNPLAK

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.