

ENO3, 1-434aa, Human, His tag, E.coli

Cat.NO.: TP02018

3th Edition

Synonyms: Beta-enolase, MSE.

Description: Beta-enolase, also known as ENO3, is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. ENO3 play a role in converting phosphoglyceric acid to phosphoenolpyruvic acid in the glycolytic pathway. Mutations in its gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

Molecular Weight: 49 kDa (454aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMAMQKIFAREILDSRGNPTVEVDLHTAKGRFRAAVPSGASTGIYEALERDGDKG
RYLGKGV LKAVENINSTLGPALLQKKLSVADQEKVDFMIELDG TENKSKFGANAILGVSLAVCKAGAAEKGVPLYR
HIADLAGNPDLILPVPAFNVINGGSHAGNKLAMQEFMILPVGASSFKEAMRIGAEVYHHLKGVKAKYKGDATNVGD
EGGFAPNILENNEALELLKTAIQAAGYDPKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHITGEKLGELYKSFKNY
PVVSIEDPFDQDDWATWTSFLSGVNIQIVGDDLTVTNPKRIAQAVEKKACNCLLLKVNQIGSVTESIQACKLAQSNG
WGVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEEALGDKAIFAGRKFRNPKAK

Purity: > 95% by HPLC

Concentration: 0.5 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.