

Product datasheet for TP319257M

ENO3 (NM_001976) Human Recombinant Protein

Product data:

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|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human enolase 3 (beta, muscle) (ENO3), transcript variant 1, 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC219257 representing NM_001976 Red =Cloning site Green =Tags(s) |
| | MAMQKIFAREILDSRGNPTVEVDLHTAKGRFRAAVPSGASTGIYEALRLDGDKGRYLGKGVLKAVENIN NTLGPALLQKKLSVADQEKVDKFMIELDGTENKSKFGANAILGVSLAVCKAGAAEKGVPLYRHIADLAGN PDLILPVPAFNVIINGGSHAGNKLAMQEFMILPVGASSFKEAMRIGAEVYHHLKGVKAKYKGDATNVGDE GGFAPNILENNEALELLKTAIQAAGYDPKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHITGEKLGELY KSFIGNYPVVSIEDPFDQDDWATWTSFLSGVNIQIVGDDLTVTNPKRIAQAVEKKACNLLLKNVQIGSV TESIQACKLAQSNWGVMSHRSGETEDTFIADLVGLCTGQIKTGAPCRSERLAKYNQLMRIEALGDK AIFAGRKFRNPKAK |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 46.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_001967</u> |



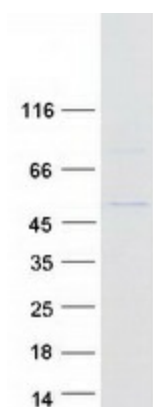
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Locus ID: 2027
UniProt ID: [P13929](#)
RefSeq Size: 1494
Cytogenetics: 17p13.2
RefSeq ORF: 1302
Synonyms: GSD13; MSE

Summary: This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme is found in skeletal muscle cells in the adult where it may play a role in muscle development and regeneration. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in this gene have been associated with glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2010]

Protein Pathways: Glycolysis / Gluconeogenesis, Metabolic pathways, RNA degradation

Product images:



Coomassie blue staining of purified ENO3 protein (Cat# [TP319257]). The protein was produced from HEK293T cells transfected with ENO3 cDNA clone (Cat# [RC219257]) using MegaTran 2.0 (Cat# [TT210002]).