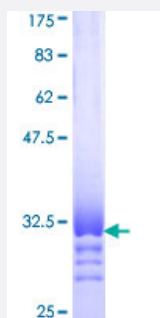


ENO3 (Human) Recombinant Protein (Q01)

Catalog # H00002027-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human ENO3 partial ORF (NP_001967, 228 a.a. - 277 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	KTAIQAAGYPDKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHITGEKLG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.24
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ENO3

Entrez GeneID [2027](#)

GeneBank Accession# [NM_001976](#)

Protein Accession# [NP_001967](#)

Gene Name ENO3

Gene Alias MSE

Gene Description enolase 3 (beta, muscle)

Omim ID [131370](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in skeletal muscle cells in the adult. A switch from alpha enolase to beta enolase occurs in muscle tissue during development in rodents. Mutations in this gene can be associated with metabolic myopathies that may result from decreased stability of the enzyme. Two transcripts have been identified for this gene that differ only in their 5' UTR. [provided by RefSeq]

Other Designations 2-phospho-D-glycerate hydrolyase|ENO3, muscle enolase 3 beta|OTTHUMP00000125242|beta enolase|enolase 3|enolase-3, beta, muscle|muscle specific enolase|skeletal muscle enolase

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)

- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [RNA degradation](#)

Disease

- [Muscular Dystrophies](#)