

Recombinant Full Length Human ENO3 Protein, GST-tagged

Cat. No. ENO3-4307HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ENO3 full-length ORF (AAH17249, 1 a.a. - 434 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	434 amino acids
Description	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 be associated glycogen storage disease. Alternatively spliced transcript variants encoding different isoforms have been described.[provided by RefSeq, Jul 2010]
Molecular Mass	73.48 kDa
AA Sequence	MAMQKIFAREILDSRGNPTVEVDLHTAKGRFRAAVPSGASTGIYEALERDGDKGRY LGKGVLKAVENINSTLGPALLQKKLSVADQEKVDKFMIELDGTENKSKFGANAILGVS LAVCKAGAAEKGVPLYRHIADLAGNPDLILPVPAFNVINGGSHAGNKLAMQEFMILPV GASSFKEAMRIGAEVYHHLKGVKAKYGKDATNVGDEGGFAPNILENNEALELLKTAI QAAGYPDKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHITGEKLGELYKSFKNYP VVSIEDPFDQDDWATWTSFLSGVNIQIVGDDLTVTNPKRIAQAVEKKACNCLLLKVN QIGSVTESIQACKLAQSNGWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSE

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RLAKYNQLMRIEEALGDKAIFAGRKFRNPKAK

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ENO3 enolase 3 (beta, muscle) [Homo sapiens]

Official Symbol

ENO3

Synonyms

ENO3; enolase 3 (beta, muscle); enolase 3, (beta, muscle); beta-enolase; muscle-specific enolase; skeletal muscle enolase; 2-phospho-D-glycerate hydrolyase; MSE; GSD13;

Gene ID

2027

mRNA Refseq

NM_001193503

Protein Refseq

NP_001180432

MIM

131370

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UniProt ID

P13929

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