

Recombinant Human ENO3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ENO3-2346H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ENO3 MS Standard C13 and N15-labeled recombinant protein (NP_443739) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	46.9 kDa
AA Sequence	MAMQKIFAREILDSRGNPTVEVDLHTAKGRFRAAVPSGASTGIYEALERDGDKGRY LGKGVLKAVENINSTLGPALLQKKLSVADQEKVDKFMIELDGTENKSKFGANAILGVS LAVCKAGAAEKGVPYRHIADLAGNPDLILPVPAFNVINGGSHAGNKLAMQEFMILPV GASSFKEAMRIGAEVYHHLKGVIAKAKYGKDATNVGDEGGFAPNILENNEALELLKTAI QAAGYPDKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHITGEKLGELYKSFIKNYP VVSIEDPFDQDDWATWTSFLSGVNIQIVGDDLTVTNPKRIAQAVEKKACNCLLLKVN QIGSVTESIQACKLAQSNWGWVMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSE

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	RLAKYNQLMRIEEALGDKAIFAGRKFRNPKAKTRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ENO3 enolase 3 [Homo sapiens (human)]
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_053013
Protein Refseq	NP_443739
MIM	131370

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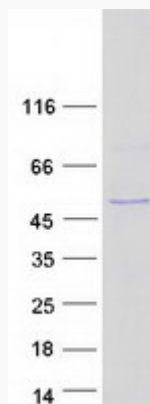
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UniProt ID

P13929

SDS-PAGE

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