

## Product datasheet for PH305684

### ENO3 (NM\_053013) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ENO3 MS Standard C13 and N15-labeled recombinant protein (NP_443739)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205684
Predicted MW:	46.9 kDa
Protein Sequence:	>RC205684 protein sequence Red=Cloning site Green=Tags(s)

MAMQKIFAREILDSRGNPTVEVDLHTAKGRFRAAVPSGASTGIYEALELRDGDKGRYLGKGVLKAVENIN  
STLGPALLQKKLSVADQEKVDKFMIELDGTENKSKFGANAILGVSLAVCKAGAAEKGVPLYRHIADLAGN  
PDLILPVPFNVINGGSHAGNKLAMQEFMILPVGASSFKEAMRIGAEVYHHLKGVIKAKYKGDATNVGDE  
GGFAPNILENNEALELLKTAIQAGYDPKVVIGMDVAASEFYRNGKYDLDFKSPDDPARHITGEKLGELY  
KSFIKNYPVVSIEDPFDQDDWATWTSFLSGVNIQIVGDDLTVTNPKRFAQAVEKKACNLLLLKVNQIGSV  
TESIQACKLAQSNWGMVSHRSGETEDTFIADLVVGLCTGQIKTGAPCRSERLAKYNQLMRIEALGDK  
AIFAGRKFRNPKAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_443739</u>
RefSeq Size:	1494
RefSeq ORF:	1302
Synonyms:	GSD13; MSE



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Locus ID: 2027

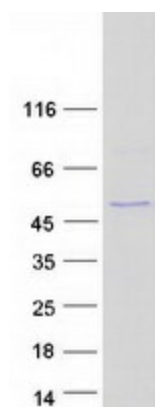
UniProt ID: [P13929](#)

Cytogenetics: 17p13.2

**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# [TP305684]). The protein was produced from HEK293T cells transfected with ENO3 cDNA clone (Cat# [RC205684]) using MegaTran 2.0 (Cat# [TT210002]).