

# PE-04ACS99-P

## ENO1 (41-47) pY44 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ENO1



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### Target Protein

<b>Name Long:</b>	Alpha-enolase
<b>Name Alias:</b>	2-phospho-D-glycerate hydro-lyase; alpha enolase like 1; Alpha-enolase; C-myc promoter-binding protein; ENO1; ENO1L1; ENOA; Enolase 1; enolase 1, (alpha); MBP-1; MBPB1; MPB-1; MPB1; MYC promoter-binding protein 1; NNE; Non-neural enolase; Phosphopyruvate hydratase; Plasminogen-binding protein; PPH; tau-crystallin
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P06733

### Peptide Structure

<b>Peptide Name:</b>	ENO1 (41-47) pY44
<b>Peptide Origin:</b>	In the Enolase_N domain. This is the major in vivo phosphorylation site in ENO1.
<b>Peptide Sequence Location:</b>	T41-L47
<b>Peptide Sequence:</b>	TGI(pY)EAL(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1020.0
<b>Observed Peptide Mass:</b>	1018.6
<b>% Peptide Purity:</b>	100.0
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAT-16
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the ENO1-pY44 rabbit polyclonal antibody (Cat. No.: PN511) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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