

# Recombinant Human PTEN Protein (His Tag)

Catalog Number:PKSH033828



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

## Description

### Synonyms

10q23del, BZS, DEC, GLM2, MGC11227, MHAM, MMAC1, MMAC1 phosphatase and tensin homolog deleted on chromosome 10, Mutated in multiple advanced cancers 1, Phosphatase and tensin homolog, Phosphatase and tensin like protein, Phosphatidylinositol 3, 4, 5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN, Pten, PTEN, PTEN1, TEP1

### Species

Human

### Expression Host

E.coli

### Sequence

Thr2-Val403

### Accession

P60484-1

### Calculated Molecular Weight

46.8 kDa

### Observed molecular weight

49.1 kDa

### Tag

N-His

### Bioactivity

Testing in progress

## Properties

### Purity

> 85 % as determined by reducing SDS-PAGE.

### Endotoxin

Please contact us for more information.

### Storage

Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

### Shipping

This product is provided as lyophilized powder which is shipped with ice packs.

### Formulation

Lyophilized from sterile PBS, pH 7.4.

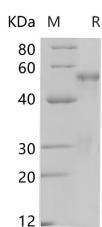
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

### Reconstitution

Please refer to the printed manual for detailed information.

## Data



> 85 % as determined by reducing SDS-PAGE.

## Background

PTEN (also designated MMAC1), products of tumor suppressor genes, are found deleted in most human gliomas. The PTEN genes are also mutated in many other tumors, such as brain, breast, kidney and prostate cancers. PTEN is a protein tyrosine phosphatase that may terminate the signaling transduction pathways mediated by PI 3-kinase/Akt. PTEN has an

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Fax: 1-832-243-6017

Web: [www.elabscience.com](http://www.elabscience.com)

Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

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apparent molecular weight of 55 kDa and it is located in the cytosol.

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