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Datasheet for ABIN7319750
PTEN Protein (His tag)

Overview

Quantity:	100 µg
Target:	PTEN
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTEN protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human PTEN Protein (His Tag)
Sequence:	Thr2-Val403
Characteristics:	A DNA sequence encoding the Human PTEN (P60484-1) (Thr2-Val403) was expressed with a polyhistidine tag at the N-terminus.
Purity:	>85 % as determined by reducing SDS-PAGE.

Target Details

Target:	PTEN
Alternative Name:	PTEN (PTEN Products)
Background:	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

Target Details

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

Synonym: 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

Molecular Weight: 46.8 kDa

Pathways: [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Inositol Metabolic Process](#), [Synaptic Membrane](#), [Regulation of Cell Size](#), [Autophagy](#), [Platelet-derived growth Factor Receptor Signaling](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: 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.