Recombinant Human PTEN Protein, His-tagged

Cat. No. PTEN-663H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTEN fused with His tag at N-terminal was expressed in Sf9 cells.
Species	Human
Source	Sf9 Cells
Description	Isoform alpha: Functional kinase, like isoform 1 it antagonizes the PI3K-AKT/PKB signaling pathway. Plays a role in mitochondrial energetic metabolism by promoting COX activity and ATP production, via collaboration with isoform 1 in increasing protein levels of PINK1.
Form	50mM Tris-HCl pH8.0, 150mM NaCl, 20% glycerol. Store at -80 centigrade. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.
Molecular Mass	47 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	PTEN phosphatase and tensin homolog [Homo sapiens]

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Official Symbol	PTEN
Synonyms	PTEN; phosphatase and tensin homolog; BZS, MHAM; phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; MMAC1; mutated in multiple advanced cancers 1; PTEN1; TEP1; phosphatase and tensin-like protein; MMAC1 phosphatase and tensin homolog deleted on chromosome 10; BZS; DEC; GLM2; MHAM; 10q23del; MGC11227;
Gene ID	5728
mRNA Refseq	NM_000314
Protein Refseq	NP_000305
UniProt ID	P60484

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