

Recombinant Mouse Pten Protein, Myc/DDK-tagged

Cat. No. Pten-5216M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphatase and tensin homolog (Pten), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a phosphatase with dual activity against phospholipids and proteins, and acts as a tumor-suppressor. The protein contains four structural domains, a PIP2-binding domain, a catalytic tensin-type phosphatase domain, a C2 tensin-type domain and a PDZ-binding domain. The protein belongs to the protein tyrosine phosphatase family. Deletion of this gene in mice contribute to tumorigenesis in multiple tissues.
Molecular Mass	47.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pten phosphatase and tensin homolog [*Mus musculus* (house mouse)]

Official Symbol Pten

Synonyms PTEN; phosphatase and tensin homolog; phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN; mutated in multiple advanced cancers 1; TEP1; MMAC1; AI463227; 2310035O07Rik; A130070J02Rik; B430203M17Rik; MGC183880

Gene ID 19211

mRNA Refseq NM_008960

Protein Refseq NP_032986

UniProt ID O08586

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