

Phosphatase and Tensin homolog Human Recombinant, His Tag

Item Number	rAP-4539
Synonyms	Phosphatidylinositol-3,4,5-trisphosphate 3-phosphatase and dual-specificity protein phosphatase PTEN, EC 3.1.3.67, EC 3.1.3.16, EC 3.1.3.48, Phosphatase and tensin homolog, Mutated in multiple advanced cancers 1, PTEN, MMAC1, TEP1, BZS, MHAM, PTEN1, 10q23
Description	PTEN Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 423 amino acids (1- 403 a.a.) and having a molecular mass of 49.3kDa.The PTEN is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P60484
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MTAIKEIVS RNKRRYQEDG FDLDTIYYP NIIAMGFPAE RLEGVYRNNI DDVVRFLDSK HKNHYKIYNL CAERHYDTAK FNCRVAQYPF EDHNPPQLEL IKPFCEDLDQ WLSDDNHVA AIHCKAGKGR TGVMICAYLL HRGKFLKAQE ALDFYGEVRT RDKKGV TIPS QRRYVYYY- SY LLKNHLDYRP VALLFHKMMF ETIPMFSGGT CNPQFVVCQL KVKIYSSNSG PTRREDKFM Y FEFPQPLPVC GDIKVEFFHK QNKMLKKDKM FHFVWNTFFI PGPEETSEKV ENGLCDQEI DSICSIERAD NDKEYLVLT L TKNDLDKANK DKANRYFSPN FKVKLYFTKT VEEPSNPEAS SSTSVTPDVS
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Formulation and Purity	The PTEN solution contains 20mM Tris-HCl buffer (pH 8.0), 1mM EDTA, 2mM DTT, 100mM NaCl, and 20% glycerol. Greater than 85.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**