

Product datasheet for TP506321

Pten (NM_008960) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse phosphatase and tensin homolog (Pten), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206321 representing NM_008960 Red=Cloning site Green=Tags(s)

MTAIIKEIVSRNKRRYQEDGFDLDTIYPNIIAMGFPAERLEGVYRNNIDDVWRFLDSKHKNHYKIYNL
CAERHYDTAKFNCRVAQYPFEDHNPPQLELIKPFCELDQWLSEDDNHVAAIHCKAGKGRTGVMICAYLL
HRGKFLKAQEALDFYGEVTRDKKGVITIPSQRRYVYYSYLLKNHLDYRPVALLFHKMMFETIPMFSGGT
CNPQFVVCQLKVKIYSSNSGPTRRDKFMYFEFPQPLPVCGDIKVEFFHKQNKMLKKDKMFHFWNTFFI
PGPEETSEKVENGLCDQEIDSICSIERADNDKEYLVLTLTKNLDKANKDKANRYFSPNFVKLYFTKT
VEEPSNPEASSSTSVTPDVSNDNEPDHYRYSDDTTSDPENEPFDEDQHSQITKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	47.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032986
Locus ID:	19211
UniProt ID:	O08586 , Q3UUT8



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RefSeq Size:	8229
Cytogenetics:	19 28.14 cM
RefSeq ORF:	1209
Synonyms:	2310035O07Rik; A130070J02Rik; AI463227; B430203M17Rik; MMAC; MMAC1; PTENbeta; TEP; TEP1
Summary:	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. [provided by RefSeq, Sep 2015]