

Recombinant Human PTEN Protein (His Tag)

Catalog Number:PKSH033828



Note: Centrifuge before opening to ensure complete recovery of vial contents.

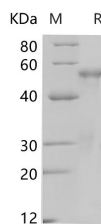
Description

Synonyms	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
Species	Human
Expression Host	E.coli
Sequence	Thr2-Val403
Accession	P60484-1
Calculated Molecular Weight	46.8 kDa
Observed molecular weight	49.1 kDa
Tag	N-His
Bioactivity	Testing in progress

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

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

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

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