

Recombinant Mouse PTEN Protein Product Manual

1. Product Basic Information

Product No.: REP07937

Protein Name: Pten Variant Pten-L247* (PTEN)

Aliases: BZS; DEC; CWS1; GLM2; MHAM; TEP1; MMAC1; PTEN1; 10q23del; PTENbeta; PTENgamma; PTENepsilon; PTEN variant PTEN-L247*; mitochondrial PTENalpha; protein tyrosine phosphatase; phosphatase and tensin homolo...

UniProt ID: P60484

UniProt Link: <https://www.uniprot.org/uniprotkb/P60484/entry>

Species Source: Mus musculus (Mouse)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (2-403aa)

Molecular Weight: 53.9 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (2-403aa)

TAIIKEIVSRNKRRYQEDGFDLDTYIYPNIIAMGFPAERLEGVYRNNIDDVVRFLDSK
HKNHYKIYNLCAERHYDTAKFNCRVAQYPPFEDHNPPQLELIKPFCELDLQWLSEDD
NHVAIIHCKAGKGRGTVMICAYLLHRGKFLKAQEALDFYGEVRTRDKKGVVTIPSQR
RYVYYYSYLLKNHLDYRPVALLFHKMMFETIPMFSGGTCNPQFVVCQLKVKIYSSNS
GPTRREDKFMFYFEPQPLPVCGDIVKVEFFHKQNKMLKKDKMFHFVWNTFFIPGPEE
TSEKVENGSLCDQEIDSICSIERADNDKEYLVLTLTKNLDLKDANKDKANRYFSPNFK
VKLYFTKTVEEPSNPEASSSTSVTPDVSDNEPDHYRYSDDTSDPENEPFDEDQHS
QITKV

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Mouse PTEN full length of mature protein protein (2-403aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. PTEN, also known as BZS or DEC or CWS1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.