

Recombinant strain ATCC 700610 / UA159 spaP Protein Product Manual

1. Product Basic Information

Product No.: REP08314

Protein Name: Pdzk1 Interacting Protein 1 (spaP)

Aliases: PDZK1 interacting protein 1

UniProt ID: P23504

UniProt Link: <https://www.uniprot.org/uniprotkb/P23504/entry>

Species Source: Streptococcus mutans serotype c (strain ATCC 700610 / UA159)

Expression System: E.coli

Protein Length: Partial (998-1532aa)

Molecular Weight: 60.0 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (998-1532aa)

PQVNKEIRNNNDINIDRTLVAKQSVVKFQLKTADLPAGRDETTSFVLVDPLPSGYQF
NPEATKAASPGFDVTDNATNTVTFKATAATLATFNADLTKSVATIYPTVVGQVLND
GATYKNNFTLTVNDAYGIKSNVVRVTTGPKNDPNDPNNNYIKPTKVNKNENGVVID
GKTVLAGSTNYYELTDWLDQYKNDRSSADTIQKGFYYVDDYPEEALRLRQDLVKIT
DANGNEVTGVSVDNYTNLEAAPQEIRDVLSKAGIRPKGAFQIFRADNPREFYDTYVK
TGIDLKIVSPMVVKKQMGQTGGSYENQAYQIDFGNGYASNIINNVPKINPKKDVTLT
LDPADTNNVDGQTIPLNTVFNRYRLIGGIIPADHSEELFEYNFYDDYDQTDGHTYTGQY
KVFVKVDITFKDGSIIKSGAELTQYTAEVDTAKGAIKFKFAFLRSVSDSAFQAESY
IQMKRIAVGTFENTYINTVNGVTYSSNTVKTTTTPEPPTDPTDPTDQDPSSPRTSTVINYK
PQSTAYQPSSVQETLPNT

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).



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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 strain ATCC 700610 / UA159 spaP partial protein (998-1532aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. spaP, also known as PDZK1 interacting protein 1, 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.