



Recombinant Common tobacco AP24 Protein Product Manual

1. Product Basic Information

Product No.: REP06147

Protein Name: AP24

Aliases: osmotin

UniProt ID: P14170

UniProt Link: <https://www.uniprot.org/uniprotkb/P14170/entry>

Species Source: Nicotiana tabacum (Common tobacco)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (22-246aa)

Molecular Weight: 40.3kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (22-246aa)

ATIEVRNNCPYTVWAASTPIGGGRRLDRGQTWVINAPRGTKMARVWGRTNCNFNA
AGRGTCQTGDCGGVLQCTGWGKPPNTLAEYALDQFSGLDLFDISLVDGFNIPMTF
APTNPSSGGKCHAIHCTANINGECPRELVPGGCNPCTTFGGQQYCCTQGPGPT
FFSKFFKQRCPDAYSYQDDPTSTFTCPGGSTNYRVIFCPNGQAHPNFLEMPGS
DEVAK

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

5. Product Description

This product is a recombinant Common tobacco AP24 full length of mature protein protein (22-246aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. AP24, also known as osmotin, 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.