



Recombinant *Alternaria rot* fungus ALTA1 Protein Product Manual

1. Product Basic Information

Product No.: REP06125

Protein Name: Major Allergen Alt A 1 (ALTA1)

Aliases: Major allergen Alt a 1

UniProt ID: P79085

UniProt Link: <https://www.uniprot.org/uniprotkb/P79085/entry>

Species Source: *Alternaria alternata* (*Alternaria rot* fungus) (*Torula alternata*)

Expression System: *E.coli*

Protein Length: Full Length of Mature Protein (19-157aa)

Molecular Weight: 19.2kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (19-157aa)

APLESRQDTASCPVTTEGDYVWKISEFYGRKPEGTYYNLSLGFNIKATNGGTLDFTCSAQADKLEDHKWYSCGENSFMDFSFSDRSGLLLKQKVSDDITYVATATLPNYCRA
GGNGPKDFVCQGVADAYITLVTLPKSS

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



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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 *Alternaria rot* fungus ALTA1 full length of mature protein (19-157aa) expressed in *E.coli*. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. ALTA1, also known as Major allergen Alt a 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.