



# Recombinant strain FGSC A4 / ATCC 38163 / CBS 112.46 / NRRL 194 / M139 rodA Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08078

**Protein Name:** Rodlet Protein (rodA)

**Aliases:** rodA; hyp1; AFUA\_5G09580; Hydrophobin; Rodlet protein

**UniProt ID:** P41746

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P41746/entry>

**Species Source:** Emericella nidulans (strain FGSC A4 / ATCC 38163 / CBS 112.46 / NRRL 194 / M139) (Aspergillus nidulans)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (42-157aa)

**Molecular Weight:** 18.6 kDa

**Protein Tag:** C-terminal 6xHis-tagged

## 2. Amino Acid Sequence (42-157aa)

FPVPENVTVKQASDKCGDQAQLSCCNKATYAGDTTTVDEGLLSGALSGLIGAGSG  
AEGLGLFDQCSKLDVAVLIGIQDLVNQKCKQNIACCQNSPSSADGNLIGVGLPCVAL  
GSIL

## 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 strain FGSC A4 / ATCC 38163 / CBS 112.46 / NRRL 194 / M139 rodA full length of mature protein protein (42-157aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. rodA, also known as rodA or hyp1 or AFUA\_5G09580, 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.