



# Recombinant strain ATCC MYA-4609 / Af293 / CBS 101355 / FGSC A1100 MITF Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07460

**Protein Name:** Melanocyte Inducing Transcription Factor (MITF)

**Aliases:** MI; WS2; CMM8; WS2A; COMMAD; MITF-bHLHe32; melanocyte inducing transcription factor; class E basic helix-loop-helix protein 32; melanogenesis associated transcription factor; microphthalmia-associated ...

**UniProt ID:** O75030

**UniProt Link:** <https://www.uniprot.org/uniprotkb/O75030/entry>

**Species Source:** Neosartorya fumigata (strain ATCC MYA-4609 / Af293 / CBS 101355 / FGSC A1100) (Aspergillus fumigatus)

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (28-176aa)

**Molecular Weight:** 31.2 kDa

**Protein Tag:** N-terminal 6xHis-SUMO-tagged and C-terminal Myc-tagged

## 2. Amino Acid Sequence (28-176aa)

ATWTCINQQLNPKTNKWEDKRLLYSQAKAESNSHHAPLSDGKTGSSYPHWFTNGY  
DGNGKLIKGRTPIKFGKADCDRPPKHSQNGMGKDDHYLLEFPTFPDGHDKYKFDISK  
KPKEDPGPARVIYTPNKFVFCGIVAHQRGNQGDLRLCSH

## 3. Storage Buffer

**Liquid Delivery Form:** Tris-based buffer with 50% glycerol.

**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 MYA-4609 / Af293 / CBS 101355 / FGSC A1100 MITF full length of mature protein protein (28-176aa) expressed in E.coli. The protein is dual-tagged with 6xHis-SUMO tag at the N-terminus and Myc tag at the C-terminus, which facilitates protein purification, detection and identification. MITF, also known as Ml or WS2 or CMM8, 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.