

# Recombinant Mouse TSC22D4 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08556

**Protein Name:** TSC22D4

**Aliases:** THG1; THG-TILZ2

**UniProt ID:** Q9Y3Q8

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9Y3Q8/entry>

**Species Source:** Mus musculus (Mouse)

**Expression System:** Yeast

**Protein Length:** Full Length (1-387aa)

**Molecular Weight:** 42.0kDa

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

## 2. Amino Acid Sequence (1-387aa)

MSGGKKKSSFQITSVTTDYEGPGSPGASDSPVPPALAGPPPRLPNGDPNPDPGGR  
GTPRNGSPPPGAPASRFRVVKLPQQLGEPYRRGRWTCVDVYERDLEPPSFGRLLE  
GIRGASGGTGGRSLSRLELASLGISTPIPQPGLSQGPTSWLRPPPTSPGPQARSF  
TGGLGQLAGPGKAKVETPPLSASPPQQRPPGPGTGDSAQTLPSLRVEVESGGSA  
ATPPLSRRRDGAVRLRMELVAPAETGKVPPTDSRPNSPALYFDASLVHKSPDPFGA  
AAAQSLSLARSMLAISGHLSDDDSGSGSLVGIDNKIEQAMDVLKSHLMFAVREEV  
EVLKEQIRDLAERNAALEQENGLLRALASPEQLAQLPSSGLPRLGPSAPNGPSI

## 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



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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 Mouse TSC22D4 full length protein (1-387aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. TSC22D4, also known as THG1 or THG-TILZ2, 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.