

# Recombinant Human TIA1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08449

**Protein Name:** Tia-P40-Tia-1 (Containing P15-Tia-1 (TIA1))

**Aliases:** WDM; ALS26; TIA-p40-TIA-1 (containing p15-TIA-1)

**UniProt ID:** P31483

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P31483/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** Yeast

**Protein Length:** Full Length (1-386aa)

**Molecular Weight:** 44.4 kDa

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

## 2. Amino Acid Sequence (1-386aa)

MEDEMPKTL YVGNLSRDVTEALILQLFSQIGPCKNCKMIMDTAGNDPYCFVEFHEH  
RHAAAALAAMNGRKIMGKEVKVNWATTPSSQKKDTSSSTVVSTQRSQDHFHVFVG  
DLSPEITTEDIKAAFAPFGRISDARVVKDMATGKSKGYGFVSFFNKWDAENAIQQM  
GGQWLGGRRQIRTNWATRKPAPKSTYESNTKQLSYDEVVNQSSPSNCTVYCGGV  
TSGLTEQLMRQTFSPFGQIMEIRVFPDKGYSFVRFNSHESAAHAIVSVNGTTIEGHV  
VKCYWGKETLDMINPVQQNQIGYPQPYGQWGWYGNAAQQIGQYMPNGWQVP  
AYGMYGQAWNQQGFNQTQSSAPWMGPNYGVQPPQGQNGSMLPNQPSGYRVA  
GYETQ

## 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 Human TIA1 full length protein (1-386aa) expressed in Yeast. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. TIA1, also known as WDM or ALS26 or TIA-p40-TIA-1 (containing p15-TIA-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.