

# Recombinant Human USP14 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08615

**Protein Name:** Ubiquitin Thioesterase 14 (USP14)

**Aliases:** TGT; Ubp6; ubiquitin thioesterase 14; deubiquitinating enzyme 14; ubiquitin thiolesterase 14; ubiquitin specific peptidase 14; ubiquitin carboxyl-terminal hydrolase 14; ubiquitin-specific processing p...

**UniProt ID:** P54578

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P54578/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length (1-494aa)

**Molecular Weight:** 60.1kDa

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

## 2. Amino Acid Sequence (1-494aa)

MPLYSVTVKWGKEKFEGVELNTDEPPMVFKAQLFALTGVQPARQKVMVKGGLKD  
DDWGNIKIKNGMTLLMMGSADALPEEPSAKTVFVEDMTEEQULASAMELPCGLTNLG  
NTCYMNATVQCIRSVPELKDALKRYAGALRASGEMASAQYITAALRDLFDSDKTS  
SSIPPIILLQFLHMAFPQFAEKGEQGQYLQQDANECWQMMRVLQQKLEAIEDDSVK  
ETDSSSASAATPSKKKSLIDQFFGVFETTMKCTESEEEEEVTKGKENQLQLSCFINQ  
EVKYLFTGLKLRLQEEITKQSPTLQRNALYIKSSKISRLPAYLTIQMVRFFYKEKESVN  
AKVLKDVKFPLMLDMYELCTPELQEKMVSFRSKFKDLEDKKNVQNPNTSDKKSSP  
QKEVKYEPFSFADDIGSNCGYYDLQAVLTHQGRSSSSGHYVSWVKRKQDEWIKF  
DDDKVSIVTPEDILRLSGGGDWHIAYVLLYGPRRVEIMEESEQ

## 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



## 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 USP14 full length protein (1-494aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. USP14, also known as TGT or Ubp6 or ubiquitin thioesterase 14, 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.