

# Recombinant Human UGP2 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08598

**Protein Name:** Ugpase Udp-Glucose Diphosphorylase (UGP2)

**Aliases:** UDPG; UGP1; DEE83; UDPGP; UGPP1; UGPP2; EIEE83; SVUGP2; UDPGP2; pHC379; UGPase UDP-glucose diphosphorylase; testis tissue sperm-binding protein Li 58p; UTP--glucose-1-phosphate uridylyltransferase

**UniProt ID:** Q16851

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q16851/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length of Isoform 2 (1-497aa)

**Molecular Weight:** 71.7kDa

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

## 2. Amino Acid Sequence (1-497aa)

MSQDGASQFQEVIRQELELSVKKELEKILTTASSHEFEHTKKDLGFRKLFHRFLQE  
KGPSVDWGGKIQRPPEDSIQPYEKIKARGLPDNISSVLNKLVVVVLNGLGTSMGCK  
GPKSLIGVRNENTFLDLTVQQIEHLNKTNTDVPLVLMNSFNTDEDTKKILQKYNHC  
RVKIYTFNQSRYPRIKESLLPVAKDVSYSGENTEAWYPPGHGDIYASFYNSGLLDT  
FIGEGKEYIFVSNIDNLGATVDLYILNHLMNPPNGKRCEFVMEVTNKTRADVKGGL  
TQYEGKLRRLVEIAQVPAHVDEFKSVSKFKIFNTNWLWISLAAVKRLQEQNADMEIIV  
NAKTLDGGLNVIQLETAVGAAIKSFENSLGINVPRSRFLPVKTTSDLLLVMNSLYSLN  
AGSLTMSEKREFPTVPLVKLGSSFTKVQDYLRREFESIPDMLELDHLTVSGDVTFGKN  
VSLKGTVIIIANHGDRIDIPPGAVLENKIVSGNLRILDH

## 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 UGP2 full length of isoform 2 protein (1-497aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. UGP2, also known as UDPG or UGP1 or DEE83, 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.