



# Recombinant Human DCTN4 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP06644

**Protein Name:** Dynactin 4 (P62) (DCTN4)

**Aliases:** P62; DYN4; dynactin 4 (p62); dynactin subunit dynactin p62 subunit; dynactin subunit p62

**UniProt ID:** Q9UJW0

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q9UJW0/entry>

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

**Expression System:** Yeast

**Protein Length:** Full Length of Mature Protein (2-460aa)

**Molecular Weight:** 54.2kDa

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

## 2. Amino Acid Sequence (2-460aa)

ASLLQSDRVLYLVQGEKKVRAPLSQLYFCRYCSELRSLECVSHEVD SHYCPSCLEN  
MPSAEAKLKKNCANCFDCPGCMHTLSTRATSISTQLPDDPAKTTMKKAYYLACGF  
CRWTSRDVGMADKSVASGGWQEPENPHTQRMNKLIEYYQQLAQKEKVERDRKKL  
ARRRNYMPLAFSDKYGLGTRLQRPRAGASISTLAGLSLKEGEDQKEIKIEPAQAVDE  
VEPLPEDYYTRPVNLTEVTTLQQRLLQPDFQPVCASQLYPRHKHLLIKRSLRCRKCE  
HNLSKPEFNPTSIKFKIQLVAVNYIPEVRIMSIPNLRMYMKESQVLLTLNTPVENLTHVT  
LFECEEGLDPPDINSTAKVVVPPKELVLAGKDAAA EYDELAEPQDFQDDPDIIAFRKA  
NKVGIFIKVTPQREEGEVTVCFKMKHDFKNLAAPIRPIEESDQGTEVIWLTQHVELSL  
GPLLP

## 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 DCTN4 full length of mature protein protein (2-460aa) expressed in Yeast. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. DCTN4, also known as P62 or DYN4 or dynactin 4 (p62), 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.