

# Recombinant Human WDR5 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP08654

**Protein Name:** Wd Repeat Domain Bmp-2-Induced Gene 3 Kb (WDR5)

**Aliases:** BIG3; SWD3; BIG-CFAP89; WD repeat domain BMP-2-induced gene 3 kb; BMP2-induced 3-kb gene protein; cilia and flagella associated protein 89

**UniProt ID:** P61964

**UniProt Link:** <https://www.uniprot.org/uniprotkb/P61964/entry>

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

**Expression System:** E.coli

**Protein Length:** Full Length of Mature Protein (2-334aa)

**Molecular Weight:** 52.5kDa

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

## 2. Amino Acid Sequence (2-334aa)

ATEEKKPETEAARAQPTPSSSATQSKPTPVKPNYALKFTLAGHTKAVSSVKFSPNG  
EWLASSADKLIKIWGAYDGKFEKTISGHKLGISDVAWSSDSNLLVSASDDKTLKIW  
DVSSGKCLKTLKGHSNYVFCCNFNPQSNLIVSGSFDESRIWDVKTGKCLKTLPAH  
SDPVSAVHFNRDGLIVSSSYDGLCRIWDTASGQCLKTLIDDDNPPVSFVKFSPNG  
KYILAATLDNTLKLWDYSKKGKCLKTYTGHKNEKYCIFANFSVTGGKWIVSGSEDNLV  
YIWNLQTKIVQKLQGHDTDVVISTACHPTENIIASAALENDKTIKLWKSDC

## 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 Human WDR5 full length of mature protein protein (2-334aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. WDR5, also known as BIG3 or SWD3 or BIG-CFAP89, 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.