

## 32-5246: Recombinant Human WD Repeat Domain 5

**Alternative Name :** WDR5,BIG-3,SWD3,BIG3,WD Repeat Domain 5,WD repeat-containing protein 5,BMP2-induced 3-kb gene protein.

### Description

Source : Escherichia Coli. WDR5 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 354 amino acids (1-334 a.a.) and having a molecular mass of 38.8 kDa. The WDR5 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. WDR5, also designated BMP-2-induced gene 3 kb or BIG-3, belongs to the family of WD-40 repeat proteins, and is essential for vertebrate development, Hox gene activation and global H3K4 trimethylation. This protein is expressed in osteoblasts, chondrocytes, osteocytes and marrow stromal cells. WDR5 may play a role in its function of accelerating osteoblast differentiation.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The WDR5 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSSLVPRGSH MATEEKKPET EAARAQPTPS SSATQSKPTP VKPNYALKFT LAGHTKAVSS VKFSPNGEWL ASSADKLIK IWGAYDGKFE KTISGHKLG I SDVAWSSDSN LLVSASDDKT LKIWDVSSGK CLKTLKGHSN YVFCCNFPQ SNLIVSGSFD ESVRIWDVKT GKCLKTLP AH SDPVS AVHFN RDGSLIVSSS YDGLCRIWDT ASGQCLKTLI DDDNPPVSFV KFSPNGKYIL AATLDNTLKL WDYSKGKCLK TYTGHKNEKY CIFANFSVTG GKWIVSGSED NLVYIWNLQT KEIVQKLQGH TDVVISTACH PTENIIASAA LENDKTIKLW KSDC.