

AR09569PU-L

Human WDR5 / BIG3 (1-334, His-tag) - Purified

Alternate names:

BIG-3, BMP2-induced 3-kb gene protein, WD repeat-containing protein 5

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[P61964](#)

NCBI:

[NP_060058](#)

GeneID:

[11091](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS – PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2 mM DTT, 0.1 M NaCl

Description:

Recombinant human WDR5 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MATEEKKPET EAARAQPTPS SSATQSKPTP VKPNYALKFT
LAGHTKAVSS VKFSPNGEWL ASSSADKLIK IWGAYDGKFE KTISGHKLG I SDVAWSSDSN
LLVSASDDKT LKIWDVSSGK CLKTLKGHSN YVFCCNFNPQ SNLIVSGSFD ESVRIWDVKT
GKCLKTLPAH SDPVSAVHFN RDGSLIVSSS YDGLCRIWDT ASGQCLKTLI DDDNPPVSFV
KFSPNGKYIL AATLDNTLKL WDYSKGKCLK TYTGHKNEKY CIFANFSVTG GKWIVSGSED
NLVYIWNLQT KEIVQKLQGH TDVVISTACH PTENIIASAA LENDKTIKLW KSDC

Molecular weight: 38.8 kDa (354aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

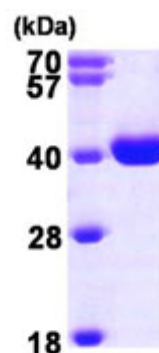
Shelf life: one year from despatch.

General Readings:

Yokoyama., et al. (2004) Mol Cell Biol. 24(13):5639-49.

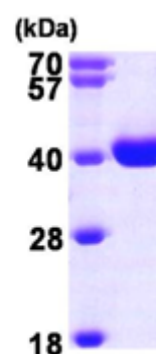
Gori F., et al. (2001) J Biol Chem. 276(49):46515-22.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human WDR5, 1-334 aa, His-tagged



15% SDS-PAGE (3ug)