

WDR5, 1-334aa, Human, His tag, E.coli

Cat.NO.: TP04495

3th Edition

Synonyms:BIG-3, SWD3, WD repeat-containing protein 5, BIG 3, WDR 5, WDR-5

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

Form:Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

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

Sequences:

MGSSHHHHHSSGLVPRGSHMATEEKKPETEAARAQPTPSSSATQSKPTPVKPNYALKFTLAGHTKAVSSVKFSP
NGEWLASSADKLIKWGAYDGGKFEKTISGHKLGISDVAWSSDSNLLVSASDDKTLKIWDVSSGKCLKTLKGHSNYV
FCCNFNPQSNLIVSGSFDESRIWDVKTGKCLKTLPAHSDPVSAVHFNRDGLIVSSSYDGLCRIWDTASGQCLKTL
IDDDNPPVSFVKFSPNGKYILAATLDNTLKLWDYSKGKCLKTYTGHKNEKYCIFANFSVTGGKWIVSGSEDNLVYIW
NLQTKIVQKLQGHTDVVISTACHPTENIIASAALENDKTIKLWKSDC

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.