

WDR5 Human

Description: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 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:PRPS-870

For research use only.

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

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MATEEKKPET EAARAQPTPS
SSATQSKPTP VKPNYALKFT LAGHTKAVSS VKFSPNGEWL ASSSADKLIK IWGAYDGKFE
KTISGHKLG I SDVAWSSDSN LLVSASDDKT LKIWDVSSGK CLKTLKGHSN YVFCCNFPNPQ
SNLIVSGSFD ESVRIWDVKT GKCLKTLPAH SDPVSAVHFN RDGSLIVSSS YDGLCRIWDT
ASGQCLKTLI DD

Purity:Greater than 95.0% as determined by SDS-PAGE.

Formulation:

WDR5 Human solution containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.

Stability:

WDR5 Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.
Please prevent freeze thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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