

Recombinant Human WDR5, His-tagged

Cat. No. WDR5-31543TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human WDR5 with an N terminal His tag; single, non-glycosylated polypeptide chain; 354 amino acids including tag, MWt 38.8 kDa.
Species	Human
Source	E.coli
ProteinLength	334 amino acids
Description	This gene encodes a member of the WD repeat protein family. WD repeats are minimally conserved regions of approximately 40 amino acids typically bracketed by gly-his and trp-asp (GH-WD), which may facilitate formation of heterotrimeric or multiprotein complexes. Members of this family are involved in a variety of cellular processes, including cell cycle progression, signal transduction, apoptosis, and gene regulation. This protein contains 7 WD repeats. Alternatively spliced transcript variants encoding the same protein have been identified.
Conjugation	HIS
Molecular Weight	38.800kDa inclusive of tags
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	pH: 8.00 Constituents: 10% Glycerol, 0.03% DTT, 0.58% Sodium chloride, 0.24% Tris
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMATEEKKPETEAARAQPTPS SSATQSKPTPVKPNY ALKFTLAGHTKAVSSVKFSPNGEWL ASSADKLIKIWGAYDGKFEKTISGHKLGISD VAWSSDSN LLVSASDDKTLKIWDVSSGKCLKTLKGHSNYVFCCNFPQ SNLIVSGS FDESVRIWDVKTGKCLKTLPAHSDPVSAVHFN RDGSLIVSSSYDGLCRIWD TASGQ CLKTLIDDDNPPVSFV KFSPNGKYILAATLDNTLKLWDYSKGKCLKTYTG HKNEKY C IFANFSVTGGKWIVSGSEDNLVYIWNLQTKEIVQKLQGH TDVVISTACHPTENIIASAA LENDKTIKLWKSDC
Sequence Similarities	Belongs to the WD repeat WDR5/wds family. Contains 7 WD repeats.

GENE INFORMATION

Gene Name	WDR5 WD repeat domain 5 [Homo sapiens]
Official Symbol	WDR5
Synonyms	WDR5; WD repeat domain 5; WD repeat-containing protein 5; SWD3; Set1c WD40 repeat protein; homolog (S. cerevisiae);
Gene ID	11091
mRNA Refseq	NM_017588
Protein Refseq	NP_060058

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MIM	609012
Uniprot ID	P61964
Chromosome Location	9q34
Pathway	Circadian rhythm pathway, organism-specific biosystem;
Function	contributes_to histone methyltransferase activity (H3-K4 specific); protein binding;

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