

Recombinant Mouse Wdr5 Protein, MYC/DDK-tagged

Cat. No. Wdr5-1016M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse WD repeat domain 5 (Wdr5), with C-terminal MYC/DDK tag, was expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Contributes to histone modification (By similarity). May position the N-terminus of histone H3 for efficient trimethylation at 'Lys-4' (By similarity). As part of the MLL1/MLL complex it is involved in methylation and dimethylation at 'Lys-4' of histone H3 (By similarity). H3 'Lys-4' methylation represents a specific tag for epigenetic transcriptional activation (By similarity). As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues (By similarity). May regulate osteoblasts differentiation (PubMed:11551928). In association with RBBP5 and ASH2L, stimulates the histone methyltransferase activities of KMT2A, KMT2B, KMT2C, KMT2D, SETD1A and SETD1B (By similarity).
Molecular Mass	36.6 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Wdr5 WD repeat domain 5 [Mus musculus (house mouse)]
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Official Symbol	Wdr5
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Synonyms	Wdr5; WD repeat domain 5; Big; Big-3; AA408785; AA960360; 2410008O07Rik; WD repeat-containing protein 5; BMP2-induced 3-kb gene protein; WD repeat-containing protein BIG-3
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Gene ID	140858
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mRNA Refseq	NM_080848
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Protein Refseq	NP_543124
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UniProt ID	P61965
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