

Recombinant Mouse Wdr4 Protein, Myc/DDK-tagged

Cat. No. Wdr4-6979M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse WD repeat domain 4 (cDNA clone MGC:35877 IMAGE:5027600), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Non-catalytic component of a methyltransferase complex required for the formation of N7-methylguanine in a subset of RNA species, such as tRNAs, mRNAs and microRNAs (miRNAs). In the methyltransferase complex, it is required to stabilize and induce conformational changes of the catalytic subunit. Required for the formation of N7-methylguanine at position 46 (m7G46) in tRNA. Also required for the formation of N7-methylguanine at internal sites in a subset of mRNAs. Also required for methylation of a specific subset of miRNAs, such as let-7. Acts as a regulator of embryonic stem cell self-renewal and differentiation. Independently of METTL1, also plays a role in genome stability: localizes at the DNA replication site and regulates endonucleolytic activities of FEN1.
Molecular Mass	45.8 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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Wdr4 WD repeat domain 4 [Mus musculus (house mouse)]
Official Symbol	Wdr4
Synonyms	Wdr4; WD repeat domain 4; Wh; mWH; AI415180; AI448349; D530049K22Rik; tRNA (guanine-N(7)-)-methyltransferase non-catalytic subunit WDR4; WD repeat-containing protein 4; WD40 repeat protein 4; protein Wuho homolog; tRNA (guanine-N(7)-)-methyltransferase subunit WDR4
Gene ID	57773
mRNA Refseq	NM_021322
Protein Refseq	NP_067297
UniProt ID	Q9EP82