

Product datasheet for **TP506503**

Wdr4 (BC039272) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	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, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA	>MR206503 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MASSAGLALCAQTLVWRGGSRFLAFSTTGSDDDCVFTYDCSTAEKKATPEDKGEDGQPADTGSDSILAST
FSKSGRYFALTDSDKRLILFRTKPWQCLSVRMVRRCTALTFTASEDRVLVADKSGDVYSFVLEPDGCG
RLELGHLSMLLDVAVSPDDQFVLTAADRDEKIRVSWAAAPHISFCLGHTEFVSRILVWPSHPELLSSS
GDGTLRLWEYRSGRQLQCCDLAGLQEPGEQPGHKGLAASRIAFWQESYVLLCECPVVFVFLDASRQ
QLVFRQLTFPHRVWDVVFEEARGLWVLQDCRDAPLVLWRPVGGEWQAAPDGA VSPRLCSHLRESWAMLE
GSVGTDDSFRLSYKATFDNMTSYLKKKEERLQQQLKKKRQ RSPFPGSPEQTKKACPGQSALSC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	45.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	57773
UniProt ID:	Q9EP82
RefSeq Size:	2054



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Cytogenetics:	17 B1
RefSeq ORF:	1239
Synonyms:	AI415180; AI448349; D530049K22Rik
Summary:	<p>Non-catalytic component of a methyltransferase complex required for the formation of N(7)-methylguanine in a subset of RNA species, such as tRNAs, mRNAs and microRNAs (miRNAs) (PubMed:29983320). In the methyltransferase complex, it is required to stabilize and induce conformational changes of the catalytic subunit (By similarity). Required for the formation of N(7)-methylguanine at position 46 (m7G46) in tRNA (PubMed:29983320). Also required for the formation of N(7)-methylguanine at internal sites in a subset of mRNAs (By similarity). Also required for methylation of a specific subset of miRNAs, such as let-7 (By similarity). Acts as a regulator of embryonic stem cell self-renewal and differentiation (PubMed:29983320). Independently of METTL1, also plays a role in genome stability: localizes at the DNA replication site and regulates endonucleolytic activities of FEN1 (PubMed:29574139).[UniProtKB/Swiss-Prot Function]</p>