

Product datasheet for **TP506824**

Smyd3 (NM_027188) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SET and MYND domain containing 3 (Smyd3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206824 protein sequence Red =Cloning site Green =Tags(s)

MEALKVEKFTTANRGNGLRAVAPLRPGELLFRSDPLAYTVCKGSRGWVCDRCLLGKEKLMRCSQCRIAKY
CSAKCQKKAWPDHRRECSCLKSCKPRYPDSDVRLGRVIVKLMDEKPSESEKLYSYFDLESNISKLTEDK
KEGLRQLAMTFQHFMREEIQDASQLPPSFDLFEAFKVICNSFTICNAEMQEVGVLGYPSMSSLNHSKCDP
NCSIVFNGPHLLLRAVREIEAGEELTICYLDMLMTSEERRKQLRDQYCFECDIRCQTQDKDADMLTGDE
QIWKEVQESLKKIEELKAHWKWEQVLALCQAIINSNSNRLPDINIYQLKVLDCAMDACINLGMLEEALFY
AMRTMEPYRIFFPGSHPVRGVQVMKVGKQLHQGMFPQAMKNLRLAFDIMKVTHGREHSLIEDLILLLEE
CDANIRAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	49.1 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.
RefSeq:	NP_081464
Locus ID:	69726



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UniProt ID:	<u>Q9CWR2</u>
RefSeq Size:	3769
Cytogenetics:	1 83.48 cM
RefSeq ORF:	1287
Synonyms:	2410008A19Rik; Zmynd1
Summary:	Histone methyltransferase. Specifically methylates 'Lys-4' of histone H3, inducing di- and tri-methylation, but not monomethylation. Also methylates 'Lys-5' of histone H4. Plays an important role in transcriptional activation as a member of an RNA polymerase complex. Binds DNA containing 5'-CCCTCC-3' or 5'-GAGGGG-3' sequences.[UniProtKB/Swiss-Prot Function]