

Product datasheet for **TP507844**

Smyd1 (NM_001160127) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse SET and MYND domain containing 1 (Smyd1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207844 protein sequence Red =Cloning site Green =Tags(s)
	<p>MTIGSMENVEVFTSEGKGRGLKATKEFWAADVIFAERAYSAVWFDSLINFVCHTCFKRQEKLHRCGQCKF AHYCDRTCQKDAWLNHKNECAAIKKYGKVPNENIRLAARIMWRVEREGTGLTEGCLVSDDLQNHVEHFG EEEQKELRVDVDTFLQYWPPQSQQFSMQYISHIFGVINCNGFTLSDQRGLQAVGVGIFPNLGLVNHDCWP NCTVIFNNGNHEAVKSMFHTQMRIELRALGKISEGEELTVSYIDFLHLSEERRRQLKKQYYFDCSEHCQ KGLKDDLFLAAKEDPKPSQEVVKEMIQFSKDTLEKIDKARSEGLYHEVWKLCRECLEKQEPVFADTNLYV LRLLSIASEVLSYLQAYEEASHYARRMVDGYMKLYHHNNAQLGMAVMRAGLTNWHAGHIEVGHGMICKAY AILLVTHGSPHPITKDLEAMRMQTEMLRMFRQNEFMYHKMREAALNNQPMQVMAEPSNEPAPALFHKKQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	56.5 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_001153599
Locus ID:	12180



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UniProt ID: [P97443](#)

RefSeq Size: 3379

Cytogenetics: 6 32.14 cM

RefSeq ORF: 1473

Synonyms: 4632404M21Rik; Bop; C78565; Zmynd18

Summary: Methylates histone H3 at 'Lys-4' (H3K4me). Acts as a transcriptional repressor. Essential for cardiomyocyte differentiation and cardiac morphogenesis.[UniProtKB/Swiss-Prot Function]