

Product datasheet for **TP503874**

Bcdin3d (NM_029236) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse BCDIN3 domain containing (Bcdin3d), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203874 protein sequence Red =Cloning site Green =Tags(s)
	 MAADGTLRGGVGEAVEEEHPGALEPGAAPFGNFPHYSRFHPPEQRLRLLPPELLRQLFPPEGPEKRPIL GLDVGCNSGDLVALYKHFLSPRDGETCSGASRELRLCCDIDPVLVERAERDCPFPEALFITLDIMDQ ESRKVPLSSFLSQFGRSVFDMVFCMSVTMWIHLNHGDRGLCEFLAHVSSLCSYLLVEPQPWKCYRAAARR LRKLGLHSFDHFRSLAIRGDMAKQIVRILTQDHGMELACCFGNTSWDRSLLLFRAKHHTHETQAIPESTK ETRTD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	32 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_083512
Locus ID:	75284
UniProt ID:	Q91YP1



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RefSeq Size: 1271

Cytogenetics: 15 F1

RefSeq ORF: 858

Synonyms: 4930556P03Rik; AV138748

Summary: O-methyltransferase that specifically monomethylates 5'-monophosphate of cytoplasmic histidyl tRNA, acting as a capping enzyme. Less efficiently, also methylates the 5' monophosphate of pre-miRNAs, acting as a negative regulator of miRNA processing. The 5' monophosphate of pre-miRNAs is recognized by DICER1 and is required for pre-miRNAs processing; methylation at this position reduces the processing of pre-miRNAs by DICER1. Able to mediate methylation of pre-miR-145, as well as other pre-miRNAs. There is some controversy about the methylation of pre-miR-145, since the dimethylation first described as the specific enzymatic activity cannot be reproduced by a more recent work which observes a monomehtylation of pre-miR-145 but two orders weaker than the methylation of cytosolic histidyl tRNA.[UniProtKB/Swiss-Prot Function]