

Product datasheet for TP521826

Dmp1 (NM_016779) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse dentin matrix protein 1 (Dmp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR221826 representing NM_016779 Red =Cloning site Green =Tags(s) MKTVILLVFLWGLSCALPVARYHNTESESESEERTGDLAGSPPPPTNSESESEESQASPEGQANS DHTDSSE SGEELGYDRGQYRPAGGLSKSTGTGADKEDDEDDSGDDTFGDEDNDLGPEEGQWGGPSKLDSDSDTDTT QSSDSTSQENSAQDTPSDSKDHSEDEADSRPEAGDSTQDSESEEQRVGGGSEGESHHGDSSEFDDEGM QSDDPSTRSDRGHARMSSAGIRSEESKGDHEPTSTQDSDDSQSVFSSRKSFRSHVSEEDYRGELTDS NSRETQSDSTEDTASKEESRSESQEDTAESQSQEDSPEGQDPSSSESEEAGEPSQESSSESQEGVTSESR GDNPDNTSQAGDQEDSESEEDSLNTFSSSESQSTEEQADSESNESLSLSEESQESAQDGDSSSQEGLQS QSA TESRSQESQSEQDSRSEEDSDSQDSSRSKEESNSTGSASSSEEDIRPKNMEADSRKLIVDAYHNKP IGDQDDNDCQDGY TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	54.4 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_058059



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Locus ID: 13406

UniProt ID: [O55188](#)

RefSeq Size: 2760

Cytogenetics: 5 50.61 cM

RefSeq ORF: 1509

Synonyms: AG1; AV020965; Dmp; DMP-1; PP

Summary: May have a dual function during osteoblast differentiation. In the nucleus of undifferentiated osteoblasts, unphosphorylated form acts as a transcriptional component for activation of osteoblast-specific genes like osteocalcin. During the osteoblast to osteocyte transition phase it is phosphorylated and exported into the extracellular matrix, where it regulates nucleation of hydroxyapatite (By similarity).[UniProtKB/Swiss-Prot Function]