

Product datasheet for **TP517951**

Cenpt (NM_177150) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse centromere protein T (Cenpt), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217951 protein sequence Red =Cloning site Green =Tags(s)
	MADLSFSDGDPTVRTLLRRVLETADSRTPMRRRSTRINAQRRRSQTPYSNRQGSQTKTSARKQSHGARSV GRSTRVQGRGRLEEQTPRTLNRILLTAPESSTVMPDPVVKPAQVPEVARSSRRESSRGSLELHLEPEP PSTLAPGLTAPGKRKQKLRLSVFQQEVDQGLPLSQEPRRSRADVSSLASSFNLTFLVPGQPETVERPGL ARRRPIRQLVNAGALLQDLEDNSLASALPGDSHRTPVAALPMDVGLEDTPFSQSLAAFSLSGKHSLPSP SRPGVEDVERVMGPPSSGTRLQSRMSRSGPAASPPFLEPQPPPAEPREAVGSNEAAEPKDEGSSGYEE TSARPASGELSSSTHDSLPAEQPPSPGVAVLSSEPLESVTAKCPSRTQTAGPRRRQDPHKAGLSPYVKF FSFCTKMPVEKTALEIVEKCLDKYFQHLCDNLEVFASHAGRKIVKPEDLLLLMRRQGLVTDQVSQHVLVE RYLPLEYRQQLIPCAFSGNSVFPAQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	56.2 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:	<u>NP_796124</u>



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Locus ID: 320394

UniProt ID: [Q3TJM4](#)

RefSeq Size: 1767

Cytogenetics: 8 D3

RefSeq ORF: 1545

Synonyms: G630055P03Rik

Summary: Component of the CENPA-NAC (nucleosome-associated) complex, a complex that plays a central role in assembly of kinetochore proteins, mitotic progression and chromosome segregation. The CENPA-NAC complex recruits the CENPA-CAD (nucleosome distal) complex and may be involved in incorporation of newly synthesized CENPA into centromeres. Part of a nucleosome-associated complex that binds specifically to histone H3-containing nucleosomes at the centromere, as opposed to nucleosomes containing CENPA. Component of the heterotetrameric CENP-T-W-S-X complex that binds and supercoils DNA, and plays an important role in kinetochore assembly. CENPT has a fundamental role in kinetochore assembly and function. It is one of the inner kinetochore proteins, with most further proteins binding downstream. Required for normal chromosome organization and normal progress through mitosis.[UniProtKB/Swiss-Prot Function]