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Product datasheet for TP527103

Mnat1 (NM_008612) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse menage a trois 1 (Mnat1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227103 representing NM_008612 Red=Cloning site Green=Tags(s) MDDQGCPRCKTTKYRNPSLKLMVNVCGHTLCESCVDLLFVRGAGNCPECGTPLRKSNFRVQLFEDPTVDK EVEIRKKVLKIYNKREEDFPSLREYNDFLEEVEEIVFNLTNNVDLENTKKKMEIYQKENKDVIQKNKLKL TREQEELEEALEVERQEHEQRRLFIQKEEELQQALKRKNKQAFLDELESSDLPVALLLAQHKDRSTQLEM QLEKPRSMKPVTFSTGIKMGQQISLAPIQKLEEALYEYQPLQIETCGPQVPEQELLGRLGYLNHVRAASP QDLAGGYTSSLACHRALQDAFSGLFWQPR TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	36.3 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_032638
Locus ID:	17420
UniProt ID:	P51949

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RefSeq Size:	2505
Cytogenetics:	12 C3
RefSeq ORF:	927
Synonyms:	E130115E11Rik; MAT1; P36
Summary:	Stabilizes the cyclin H-CDK7 complex to form a functional CDK-activating kinase (CAK) enzymatic complex. CAK activates the cyclin-associated kinases CDK1, CDK2, CDK4 and CDK6 by threonine phosphorylation. CAK complexed to the core-TFIIH basal transcription factor activates RNA polymerase II by serine phosphorylation of the repetitive C-terminal domain (CTD) of its large subunit (POLR2A), allowing its escape from the promoter and elongation of the transcripts. Involved in cell cycle control and in RNA transcription by RNA polymerase II. [UniProtKB/Swiss-Prot Function]