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Product datasheet for TP506826

Mark3 (BC026445) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse MAP/microtubule affinity-regulating kinase 3 (cDNA clone MGC:31426 IMAGE:4459439), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206826 protein sequence Red=Cloning site Green=Tags(s) MKDRWINAGHEEDELKPFVEPELDISDQKRIDIMVGMGYSQEEIQESLSKMKYDEITATYLLLGRKSAEL DASDSSSSSNLSLAKVRPNSDLSNSTGQSPHHKGQRSVSSSQKQRRYSDHAGPAIPSVVAYPKRSQTSTA DSDLKEDGIPSRKSSSSAVGGKGIAPASPMLGNAGNPNKADIPERKKSPAVPSSNTASGGMTRRNTYVCS ERCAADRHSVIQNGKENSAIPDERTPVASTHSISSATTPDRIRFPRGTASRSTFHGQPRERRTATYNGPP ASPSLSHEATPLSQTRSRGSTNLFSKLTSKLTRSRNVSSEQKDENREAKPRSLRFTWSMKTTSSMDPSDM MREIRKVLDANNCDYEQRERFLLFCVHGDGHAENLVQWEMEVCKLPRLSLNGVRFKRISGTSIAFKNIAS KIANELKL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	47.2 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.
Locus ID:	17169

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UniProt ID:	Q03141
RefSeq Size:	1865
Cytogenetics:	12 F1
RefSeq ORF:	1284
Synonyms:	ETK-1, Emk2
Summary:	Serine/threonine-protein kinase. Involved in the specific phosphorylation of microtubule-associated proteins for MAPT/TAU, MAP2 and MAP4. Phosphorylates CDC25C. Regulates localization and activity of some histone deacetylases by mediating phosphorylation of HDAC7, promoting subsequent interaction between HDAC7 and 14-3-3 and export from the nucleus. Negatively regulates the Hippo signaling pathway and antagonizes the phosphorylation of LATS1. Cooperates with DLG5 to inhibit the kinase activity of STK3/MST2 toward LATS1.[UniProtKB/Swiss-Prot Function]