

Product datasheet for **TP509124**

Mapk4 (NM_172632) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitogen-activated protein kinase 4 (Mapk4), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR209124 protein sequence Red =Cloning site Green =Tags(s)
	<p>MAEKGDCIASVYGYDLGGRFIDFQPLGFGVNGLVLSATDSRACRKVAVKKIVLSDARSMKHALREIKIIR RLDHDNIVKVYEVLGPKGSDLQGELFKFSVAYIVQEYMETDLACLEQGTLTEDHAKLFMYQLLRGLKYI HSANVLRDLKPANIFISTEDLVLKIGDFGLARIVDQHYSKGYLSEGLVTKWYRSPRLLSPNNYTKAI DMWAAGCILAEMLTGKMLFAGAHELEQMQLILDITIPVVREEDKEELLRVMPFSVSSTWEVKRPLRKLDPD VNSEAIDFLEKILTFNPMDRDLTAEMGLQHPYMSPYSCPEDEPTSQHFPRIEDEIDDIVLMAASQSLSNW DRYPVSLSSDLEWRPDRCQDASEVQRDPRAGSTPLAEDVQVDPKDSQSSSERFLEQSHSSMERAFAEADY GRSCDYKVGSPSYLDKLLWRDNKPHHYSEPKLILDLSHWKQAASAPPRAAVAADPVSREDEPASLFLEIA QWVKSTQSGSERASPPDAPEPRLSASPPGHPTPIDGGASPQFDLDFISRALKLCTKPEDLPENKLGDL NGACISEHPGDLVQTEAFSKERW</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-MYC/DDK
Predicted MW:	65.6 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.



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RefSeq: [NP_766220](#)

Locus ID: 225724

UniProt ID: [Q6P5G0](#)

RefSeq Size: 4660

Cytogenetics: 18 E2

RefSeq ORF: 1752

Synonyms: A330097D03Rik; Erk3; p63Mapk; Prkm4

Summary: Atypical MAPK protein. Phosphorylates microtubule-associated protein 2 (MAP2) and MAPKAPK5. The precise role of the complex formed with MAPKAPK5 is still unclear, but the complex follows a complex set of phosphorylation events: upon interaction with atypical MAPKAPK5, ERK4/MAPK4 is phosphorylated at Ser-186 and then mediates phosphorylation and activation of MAPKAPK5, which in turn phosphorylates ERK4/MAPK4. May promote entry in the cell cycle.[UniProtKB/Swiss-Prot Function]