

Product datasheet for TP526312

Mapk10 (NM_009158) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitogen-activated protein kinase 10 (Mapk10), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR226312 representing NM_009158 Red =Cloning site Green =Tags(s)
	MSLHFLYYCSEPTLDVKIAFCQGFDKHVDVSSIAKHYNMSKSKVDNQFYSEVVDSTFTVLKRYQNLKPI GSGAQGIVCAAYDAVLDRNVAIKKLSRPFQNTAKRAYRELVMKCVNHKNIISLLNVFTPQKTLEEFQ DVYLVMEMLDANLCQVIQMELDHERMSYLLYQMLCGIKHLHSAGIIHRDLKPSNIVKSDCTLKILDFGL ARTAGTSFMMPYVTRYRAPEVILGMGYKENVDIWSVGCIMGEMVRHKILFPGRDYIDQWNKVIEQLG TPCPEFMKKLQPTVRNYVENRPKYAGLTFPKLFPDSLFPADSEHNKLGASQARDLLSKMLVIDPAKRISV DDALQHPYINVWYDPAEVEAPPPQIYDKQLDEREHTIEEWKELIYKEVMNSEKTKNGVVKGQPSAQV QQ
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	48.9 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_033184
Locus ID:	26414



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UniProt ID:	Q80W82
RefSeq Size:	7203
Cytogenetics:	5 E5
RefSeq ORF:	1266
Synonyms:	C230008H04Rik; JNK; JNK3; JNK3B1; JNK3B2; p54bSAPK; p493F1; p493F12; SAPK(beta); Ser; Serk2

Summary: The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as integration points for multiple biochemical signals, and thus are involved in a wide variety of cellular processes, such as proliferation, differentiation, transcription regulation and development. This kinase is specifically expressed in a subset of neurons in the nervous system and is activated by threonine and tyrosine phosphorylation. Targeted deletion of this gene in mice suggests that it may have a role in stress-induced neuronal apoptosis. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. A recent study provided evidence for translational readthrough in this gene, and expression of an additional C-terminally extended isoform via the use of an alternative in-frame translation termination codon. [provided by RefSeq, Dec 2017]