

## Product datasheet for TP510730

### Map3k20 (NM\_023057) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse mitogen-activated protein kinase kinase kinase 20 (Map3k20), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210730 protein sequence Red=Cloning site Green=Tags(s)

MSSLGASFVQIKFDDLQFFENC GGG SFGSVYRAKWISQDKEVAVKLLKIEKAEILSVLSHRNIIQFYG  
VILEPPNYGIVTEYASLGSLYDINSNRSEEMDMEHIMTWATDVAKGMHYLHMEAPVKVIHRDLKSRNVV  
IAADGVLKICDFGASRFHNHTTHMSLVGTFPWWAPEVIQSLPVSETCDTYSYGVLWEMLTREVFPKGLE  
GLQVAWLVEKNERLTIPSSCPRSFAELLHQCWEADAKKRPSFKQIISILESMSNDTNLPDQCNSFLHNK  
AEWRCEIEATLERLKKLERDLSFKEQELKERERRLKMWEQKLTEQSNTPLLPSEIGAWTEDDVYFWVQQ  
LVRKGESSVEMSGYASLFKENNITGKRLLLLLEEDLKDMGIVSKGHIIHFKSAIEKLTHDYLNLFHFPPL  
IKDSGGPEEENEKIVNLELVFGFHLKPGTGPQDCKWKMYMEMDGDEVAITYIKDVTFNTSLPDAEILKM  
TKPPFVMEKWIVGIAEDQTVECTVTYENDVRTPKLTKHVHSIQWDRTPQDEVKAVQLAIQTLFSSSEGN  
PGSRDSSADCQWLDTLRMRQIASHTSLQRSQSNPILGSPFFPYFANQDSYAAAVRRTQTPVKYQQITPS  
INPSRSSSPTQYGLSRNFSSNLSSRDSGFSLLNDSSSERGRYSDRSRNKYYRGSVSLNSSPKGRYGGKS  
QHSTPSRERYSGKFYRLPQSALNTHQSPDFKRSPNDHRRVPRTIPGMPLHPETASKAGEEESRVSEGGW  
TKVEYRKKTHRQLSAKTSKERTRGNYRGRNF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	91.7 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.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_075544</a>
<b>Locus ID:</b>	65964
<b>UniProt ID:</b>	<a href="#">Q9ESL4</a>
<b>RefSeq Size:</b>	3365
<b>Cytogenetics:</b>	2 C3
<b>RefSeq ORF:</b>	2409
<b>Synonyms:</b>	AV006891; B230120H23Rik; MLTK; MLTKalpha; MLTKbeta; Zak
<b>Summary:</b>	Stress-activated component of a protein kinase signal transduction cascade. Regulates the JNK and p38 pathways (PubMed:11042189). Part of a signaling cascade that begins with the activation of the adrenergic receptor ADRA1B and leads to the activation of MAPK14 (By similarity). Pro-apoptotic. Role in regulation of S and G2 cell cycle checkpoint by direct phosphorylation of CHEK2 (By similarity). Involved in limb development (PubMed:26755636). [UniProtKB/Swiss-Prot Function]