

Product datasheet for TP524145

Taok3 (NM_001081308) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse TAO kinase 3 (Taok3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR224145 representing NM_001081308 Red=Cloning site Green=Tags(s)

MRKGALKDPEIADLFFKDDPEELFIDLHEIGHGSFGAVYFATNAHTNEWAVKKMSYSYGKQTHEKWQDIL
KEVKFLQQLKHPNTIEYKGCYLKEHTAWLVMYCLGSASDLLLEVHKKPLQEVEIAAITHGALQGLAYLHF
HSLIHRDIKAGNILLTEPGQVKLADFGSASMASPANSFVGTPYWMapevilamdegqydgkvdwslgit
CIELAERKPLFNMNAMSALYHIAQNDSPQLSREWTDSEFRFVDYCLHKIPQERPAAVELLRHDFIRRE
RPPKVLIDLIQRTKDAVRELDNLQYRKMKKILFQETRNGPLNESQEEEEEDGEQGSNLNREVDLSGSIHSI
PSTSVSTGSRSSSVNSMQEVMDESSSELVMMQEDEGTANSSASTVHKKDHVVFVRDEAGHGDPPEPRPTQ
SVQSRALHYRNRERFATIKSASLVTRQIHEHEQENELREQMSGYKRMRRQHQQKQIALIENKKAEMDEHR
LKLQKEVETHANNSSIELEKLAKKQVATIEKEAKVAAADEKKFQQQILAQQKDLTTFLESQKKQYKICK
EKIKEEMNEDHSTPKKEKQERISKHKNLQHTQAEAAHLLTQQRLYDRNCRFFKRKIMIKRHEVEQQN
IREELNKKRTQKEMEHAMLIHDESTRELEYRQLHTLQKLRMDLIRLQHQTELENQLEYNKRRERELHRK
HVMELRQQPKNLKAMEMQIKKQFQDTCVKQTKQYKALKNHQLEVTPKNEHKAILKTLKDEQTRKLALAE
QYEQSINEMMASQALRLDEAQAECQALRLQLQEMELLNAYQSKIKMQTEAQHERELQKLEQRVSLRRA
HLEQKIEEELAALQKERSERIKTLERQERETETFDMESLRMGFGNLVTLDFPKEDYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	105.8 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.



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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:	<u>NP_001074777</u>
Locus ID:	330177
UniProt ID:	<u>Q8BYC6</u>
RefSeq Size:	4258
Cytogenetics:	5 F
RefSeq ORF:	2694
Synonyms:	2900006A08Rik; A130052D22; A430105I05Rik
Summary:	Serine/threonine-protein kinase that acts as a regulator of the p38/MAPK14 stress-activated MAPK cascade and of the MAPK8/JNK cascade. Acts as an activator of the p38/MAPK14 stress-activated MAPK cascade. In response to DNA damage, involved in the G2/M transition DNA damage checkpoint by activating the p38/MAPK14 stress-activated MAPK cascade, probably by mediating phosphorylation of upstream MAP2K3 and MAP2K6 kinases. Inhibits basal activity of MAPK8/JNK cascade and diminishes its activation in response epidermal growth factor (EGF) (By similarity).[UniProtKB/Swiss-Prot Function]