

## Product datasheet for TP301031M

### TAOK3 (NM\_016281) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TAO kinase 3 (TAOK3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201031 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRKGVLDKPEIADLFYKDDPEELFIGLHEIGHGSFGAVYFATNAHTSEVVAIKKMSYSGKQTHEKWQDIL  
KEVKFLRQLKHPNTIEYKGCYLKEHTAWLVMYCLGSASDLLLEVHKKPLQEVEIAAITHGALHGLAYLHS  
HALIHRDIKAGNILLTEPGQVKLADFGSASMASPANSFVGTPYWMapevILAMDEGQYDgKVDIWSLGIT  
CIELAERKPPLFNMNAMSALYHIAQNDSPQLSNEWTDsFRFVDYCLQKIPQERPTSAELLRHDFVRRD  
RPLRLVIDLIQRtkDAVRELDNLQYRKMkkILFQETRNGPLNESQeEEDSEHGtSLNREMDSLGsnHSI  
PSMSVSTGSQSSSVNSMQEVMDESSSELVMMHdDESTINSSSSVhKKDhVfirDEAGHGdPRPEPRPTQ  
SVQSQALHYRNrERFATIKSASLVTRQIHEHEQENELREQMSGYKRMRRQHqKQLIALENKlKAEMDEHR  
LKLQKEVETHANNSSIElEKLAKKQVAIIEKEAKVAAAEKKFQQQILAQQKkDLTTFLESqKKQYKICK  
EKIKEEMNEDHSTPKKEKqERISKHkENLQHTQAEeEAHLLTQQRLYdKNCrFFKRkIMIKRHEVEQQN  
IREELNKKRTQKEMeHAMLIRHDESTRELEyRQLHTLQKLrMDLIRLQHqTELENQLEyNKRrERELHRK  
HVMELRQQPKNLKAMEMQIKKQFQDTCKVQTKQYKALKNHQLEVTPKNEHKtILKTLKDEQTRKLAILAE  
QYEQSINEMMASQALRLDEAQEAECQALRLQLQqEMELLNAYQSKIKMQTEAQHERELQKLEQRVSLRRA  
HLEQKIEEELAAALQKERSERIKNLLERQEREIETFDMESLRMGFGNLVTLDFPKEDYR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

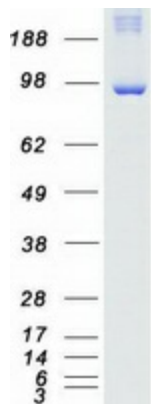
Tag:	C-Myc/DDK
Predicted MW:	105.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<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_057365</a>
<b>Locus ID:</b>	51347
<b>UniProt ID:</b>	<a href="#">Q9H2K8</a>
<b>RefSeq Size:</b>	4399
<b>Cytogenetics:</b>	12q24.23
<b>RefSeq ORF:</b>	2694
<b>Synonyms:</b>	DPK; hKFC-A; JIK; MAP3K18
<b>Summary:</b>	The protein encoded by this gene is a serine/threonine protein kinase that activates the p38/MAPK14 stress-activated MAPK cascade but inhibits the basal activity of the MAPK8/JNK cascade. The encoded protein is a member of the GCK subfamily of STE20-like kinases. [provided by RefSeq, Oct 2016]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	MAPK signaling pathway

### Product images:



Coomassie blue staining of purified TAOK3 protein (Cat# [TP301031]). The protein was produced from HEK293T cells transfected with TAOK3 cDNA clone (Cat# [RC201031]) using MegaTran 2.0 (Cat# [TT210002]).