

Product datasheet for TP301031L

TAOK3 (NM_016281) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TAO kinase 3 (TAOK3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201031 protein sequence Red=Cloning site Green=Tags(s)

MRKGVLDKPEIADLFYKDDPEELFIGLHEIGHGSFGAVYFATNAHTSEVVAIKKMSYSGKQTHEKWQDIL
KEVKFLRQLKHPNTIEYKGCYLKEHTAWLVMYCLGSASDLLLEVHKKPLQEVEIAAITHGALHGLAYLHS
HALIHRDIKAGNILLTEPGQVKLADFGSASMASPANSFVGTPYWMapevilAMDEGQYDgkVDIWSLGIT
CIELAERKPPLFNMNAMSALYHIAQNDSPQLSNEWTDsFRFVDYCLQKIPQERPTSAELLRHDFVRRD
RPLRLVIDLIQRtkDAVRELDNLQYRKMkkILFQETRNGPLNESQEDEEDSEHGtSLNREMDSLGsnHSI
PSMSVSTGSQSSSVNSMQEVMDESSSELVMMHDESTINSSSSVHKKDHVFIRDEAGHGDPPEPRPTQ
SVQSQALHYRNrERFATIKSASLVTRQIHEHEQENELREQMSGYKRMRRQHqKQLIALENKlKAEMDEHR
LKLQKEVETHANNSSIELEKLAKKQVAIIeKEAKVAAADEKKFQQQILAQQKkDLTTFLESQkKQYKICK
EKIKEEMNEDHSTPKKEKQERISKHkENLQHTQAEeEAHLLTQQRLYDkNCRFFKRkIMIKRHEVEQqN
IREELNKKRTQKEMeHAMLIRHDESTRELEyRQLHTLQKLrMDLIRLQHqTELENQLEyNKRRERELHRK
HVMELRQQPKNLKAMEMQIKKQFQDTCKVQTKQYKALKNHQLEVTPKNEHKtILKTLKDEQTRKLAILAE
QYEQSiNEMMASQALRLDEAQEAECQALRLQLQqEMELLNAYQSKIKMQTEAQHERELQKLEQRVSLRRA
HLEQKIEEELAALQKERSERIKNLLERQEREIETFDMESLRMGFGNLVTLDFPKEDYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

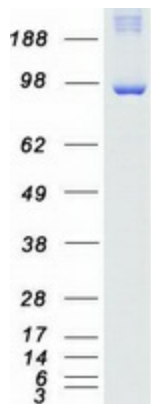
Tag:	C-Myc/DDK
Predicted MW:	105.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



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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.
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_057365
Locus ID:	51347
UniProt ID:	Q9H2K8
RefSeq Size:	4399
Cytogenetics:	12q24.23
RefSeq ORF:	2694
Synonyms:	DPK; hKFC-A; JIK; MAP3K18
Summary:	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]
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	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]).