

Product datasheet for TP301031

TAOK3 (NM_016281) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human TAO kinase 3 (TAOK3), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC201031 protein sequence
Red=Cloning site Green=Tags(s)

MRKGVLDKDEIADLFYKDDPEELFIGLHEIGHGSFGAVYFATNAHTSEVVAIKKMSYSGKQTHEKWQDIL
 KEVKFLRQLKHPNTIEYKGCYLKEHTAWLVMMEYCLGSASDLLLEVHKKPLQEVEIAAITHGALHGLAYLHS
 HALIHRDIKAGNILLTEPGQVKLADFGSASMASPANSFVGTPYWMapevilAMDEGQYDgkVdiWslGIT
 CIELAERKPPLFNMNAMSALYHIAQNDSPQLSNEWTDsFRrFvDYclQkIPqERPTSAELLRHDFVRRD
 RPLRLVLIQRTKDAVRELDNLQYRKMkkILFQETRNGPLNESQEdeEDSEHGtSLNREmDSLGSNHSI
 PSMSVSTGSQSSSVNSMQEVMDESSSELVMMHdDESTINSSSSVhKkDhVfirDEAGHGdPRPEPRPTQ
 SVQSQALHYRNrERFATIKSASLVTRQIHEHEQENELREQMSGYKRMRRQHkQKLIAlENKlKAEMDEHR
 LKLQKEVETHANNSSIELEKLAKKQVAIIEKEAKVAAAEKkFQQIlaQQKkDLTTFLESQkKQYKICK
 EKIKEMNEDHSTPKKEKqERISKHkENLQHTQAEeEAHLLTQQRLYdKNCrFFkRkIMIKRHEVEQQN
 IREELNKKRTQKEMeHAmLIRHDESTRELEyRQLHTLQkLRMDLIRLQHqTELENQLEyNKRRERELHRK
 HVMELRQQPKNLKAMEMQIKKQFQDTCKVQTKQYKALKNHQLEVTPKNEHkTILkTLKDEQTRKLAILAE
 QYEQSINEMMASQALRLDEAQEAECQALRLQLQqEMELLNAYQSKIKMQTEAQHERELQKLEQRVSLRRA
 HLEQKIEEELAAALQKERSERIKNLLERQEREIETFDMESLRMGFGNLVTLDFPKEDYR

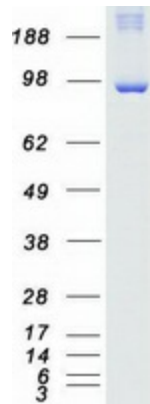
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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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| 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]).