

## Product datasheet for TP314344M

### TAOK2 (NM\_004783) Human Recombinant Protein

#### Product data:

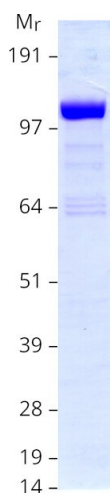
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human TAO kinase 2 (TAOK2), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC214344 representing NM_004783 Red=Cloning site Green=Tags(s)
	<p>MPAGGRAGSLKDPDVAELFFKDDPEKLFSDLREIGHGSFGAVYFARDVRNSEVVAIKKMSYSGKQSNEKW          QDIIKEVRFLLQKLRHPNTIQYRGCYLREHTAWLVMYCLGSASDLLEVHKKPLQEVEIAAVTHGALQGLA          YLHSHNMIHRDVKAGNILLSEPLVKGDFGSASIMAPANSVFGTPYWMapevILAMDEGQYDGKVDVWS          LGITCIELAERKPLFNMNAMSALYHIAQNESPVLQSGHWSEYFRNFVDSCLQKIPQDRPTSEVLLKHRF          VLRERPPTVIMDLIQRTKDAVRELDNLQYRKMKKILFQEAPNGPGAEAPEEEEEEAPEYMHFRAGTLTSLES          SHSVPSMSISASSQSSSVNSLADASDNEEEEEEEEEEEEEEGPEAREMAMMQEGEHTVTSHSSIIHRLP          GSDNLYDDPYQPEITPSPLQPPAAPAPTSTTSSARRRAYCRNRDHFATIRTASLVSRIQEHEQDSALRE          QLSGYKRMRRQHQQKLLALESRLRGEREEHSARLQRELEAQRAGFGAEAEKLARRHQAIQEKEARAAQAE          ERKFQQHILGQQKELAALEAQKRTYKLRKEQLKEELQENPSTPKREKAEWLLRQKEQLQQCAEEEEAG          LLRRQRQYFELQCRQYKRKMLLARHSLDQDLLREDLNKKQTQKDLECALLLRQHEATRELELRQLQAVQR          TRAELTRLQHQTENQLEYNKRREQELRQKHAQVRQPKSLKSKELQIKKQFQETCKIQTRQYKALRA          HLETTTPKAQHKSLLKRLKEEQTRKLAIAEQYDQSISEMLSSQALRLDETQEAEFQALRQQQLQEELELL          NAYQSKIKIRTESQHERELRELEQRVALRRALLEQRVEEELLALQTGRSERIRSLERQAREIEAFDAES          MRLGFSSMALGGIPAEAAAQGYPPPPAPAWPSRPVPRSGAHWSHGPPPPGMPPPAWRQPSLLAPPGPPN          WLGPPPTQSGTPRGGALLLLRNSPQPLRRAASGGSGSENVGPPAAAVPGPLSRSTSVASHILNGSSSHFYF</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	119.1 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



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<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>	<u>NP_004774</u>
<b>Locus ID:</b>	9344
<b>UniProt ID:</b>	<u>Q9UL54</u>
<b>RefSeq Size:</b>	4625
<b>Cytogenetics:</b>	16p11.2
<b>RefSeq ORF:</b>	3147
<b>Synonyms:</b>	MAP3K17; PSK; PSK1; PSK1-BETA; TAO1; TAO2
<b>Summary:</b>	This gene encodes a serine/threonine protein kinase that is involved in many different processes, including, cell signaling, microtubule organization and stability, and apoptosis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
<b>Protein Families:</b>	Druggable Genome, Protein Kinase, Transmembrane
<b>Protein Pathways:</b>	MAPK signaling pathway

### Product images:



Coomassie blue staining of purified TAOK2 protein (Cat# [TP314344]). The protein was produced from HEK293T cells transfected with TAOK2 cDNA clone (Cat# [RC214344]) using MegaTran 2.0 (Cat# [TT210002]).