

## Product datasheet for PH314344

### TAOK2 (NM\_004783) Human Mass Spec Standard

#### Product data:

**Product Type:** Mass Spec Standards  
**Description:** TAOK2 MS Standard C13 and N15-labeled recombinant protein (NP\_004774)  
**Species:** Human  
**Expression Host:** HEK293  
**Expression cDNA Clone or AA Sequence:** RC214344  
**Predicted MW:** 119.1 kDa  
**Protein Sequence:** >RC214344 representing NM\_004783  
Red=Cloning site Green=Tags(s)

MPAGGRAGSLKDPVAELFFKDDPEKLFSDLREIGHGSFGAVYFARDVRNSEVVAIKKMSYSGKQSNEKW  
 QDIIKEVRFLLQKLRHPNTIQYRGCYLREHTAWLVMEYCLGSASDLLLEVHKKPLQEVEIAAVTHGALQGLA  
 YLHSHNMIHRDVKAGNILLSEPLVVKLGDFGSASIMAPANSFVGTPTYWMAPEVILAMDEGQYDGKVDVWS  
 LGITCIELAERKPLFNMNAMSALYHIAQNESPVLSQSGHWSEYFRNFVDSCLQKIPQDRPTSEVLLKHRF  
 VLRERPPVTIMDLIQRTKDAVRELDNLQYRKMKKILFQEAPNGPGAEAPEEEEEAEPEYMHRAAGTLTSL  
 SHSVPSMSISASSQSSVNSLADASDNEEEEEEEEEEEEEEGPEAREMAMMQEHEHTVSHSSIIHRLP  
 GSDNLYDDPYQPEITPSPLQPPAAPAPTSTSSARRRAYCRNRDHFATIRTSLSVSRQIQEHEQDSALRE  
 QLSGYKMRMRQHQQKQLLALSRRLGEREEHSARLQRELEAQRAGFGAEAEKLARRHQAIKEKEARAAQAE  
 ERKFQQHILGQQKELAALEAQKRTYKLRKEQLKEELQENPSTPKREKAEWLLRQKEQLQQCQAEEEAG  
 LLRRQRQYFELQCRQYKRKMLLARHSLDQDLLREDLNKKQTQKDLECALLLRQHEATRELELRQLQAVQR  
 TRAELTRLQHQTLEGNQLEYNKRREQLRQKHAQVRRQPKSLKSKELQIKKQFQETCKIQRQYKALRA  
 HLEETTPKAQHSLLKRLKEEQTRKLAILEAQYDQSISEMLSSQALRLDETQAEAFQALRQLQEQLELL  
 NAYQSKIKIRTESQHERELRELEQRVALRRALLEQRVEEELLALQTGRSERIRSLERQAREIEAFDAES  
 MRLGFSSMALGGIPAEAAAQGYPAWPPAWPSRPVPRSGAHWSHGPPPPGMPPPAWRQPSLLAPPGPPN  
 WLGPPPTQSGTPRGALLLRNSPQLRRAASGGSGSENVGPPAAAVPGPLSRSTSVASHILNGSSHFYS

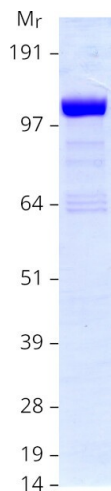
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Labeling Method:** Labeled with [U- <sup>13</sup>C<sub>6</sub>, <sup>15</sup>N<sub>4</sub>]-L-Arginine and [U- <sup>13</sup>C<sub>6</sub>, <sup>15</sup>N<sub>2</sub>]-L-Lysine  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3  
**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_004774</a>
RefSeq Size:	4625
RefSeq ORF:	3147
Synonyms:	MAP3K17; PSK; PSK1; PSK1-BETA; TAO1; TAO2
Locus ID:	9344
UniProt ID:	<a href="#">Q9UL54</a>
Cytogenetics:	16p11.2
Summary:	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]
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	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]).