

Product datasheet for PH301031

TAOK3 (NM_016281) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TAOK3 MS Standard C13 and N15-labeled recombinant protein (NP_057365)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201031
Predicted MW:	105.4 kDa
Protein Sequence:	>RC201031 protein sequence Red=Cloning site Green=Tags(s)

MRKGVLDKPEIADLFYKDDPEELFIGLHEIGHSGFGAVYFATNAHTSEVVAIKKMSYSGKQTHEKWQDIL
KEVKFLRQLKHPNTIEYKGCYLKEHTAWLVMEYCLGSASDLLEVHKKPLQEVEIAAITHGALHGLAYLHS
HALIHRDIKAGNILLTEPGQVKLADFGSASMASPANSFVGTPTYWMAPEVILAMDEGQYDGKVDIWSLGIT
CIELAERKPPFLNMNAMSALYHIAQNDSPQLSNEWTDSEFRFVDYCLQKIPQERPTSAELLRHDFVRRD
RPLRVLIDLIQRTKDAVRELDNLQYRKMKKILFQETRNGPLNESQEEDEEDSEHGTSLNREMSLGSNHSI
PSMSVSTGSQSSSVNSMQEVMDESSSELVMMHDESTINSSSSVVHKKDHVFI RDEAGHGDP RPEPRPTQ
SVQSQUALHYRNRERFATIKSASLVTRQIHEHEQENELREQMSGYKMRROHQKQLIALENKKAEMDEHR
LKLQKEVETHANNSSIELEKLAKKQVAIEKEAKVAAADEKKFQQQILAQQKKDLTTFLESQKKQYKICK
EKIKEEMNEDHSTPKKEKQERISKHKNLQHTQAEAAHLLTQQRLYYDKNCRFFKRKIMIKRHEVEQQN
IREELNKKRTQKEMEHAMLIRHDESTRELEQRQLHTLQKLRMDLIRLQHQTELENQLEYNKRRELERHRK
HVMELRQQPKNLKAMEMQIKKQFQDTCKVQTKQYKALKNHQLEVTPKNEHKTILKTLKDEQTRKLAIAE
QYEQSINEMMASQALRLDEAQEAECQALRLQLQQEMELLNAYQSKIKMQTEAQHERELQKLEQRVSLRRA
HLEQKIEEELAALQKERSERIKNLLERQEREIETFDMESLRMGFNLVTLDFPKEDYR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_057365](#)

RefSeq Size: 4399

RefSeq ORF: 2694

Synonyms: DPK; hKFC-A; JIK; MAP3K18

Locus ID: 51347

UniProt ID: [Q9H2K8](#)

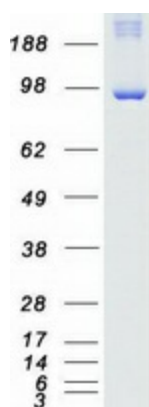
Cytogenetics: 12q24.23

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]).