

Recombinant Human TAOK3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TAOK3-5341H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TAOK3 MS Standard C13 and N15-labeled recombinant protein (NP_057365) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	105.4 kDa
AA Sequence	MRKGVLDPEIADLFYKDDPEELFIGLHEIGHGSFGAVYFATNAHTSEVVAIKKMSYS GKQTHEKWQDILKEVKFLRQLKHPNTIEYKGCYLKEHTAWLVM EYCLGSASDLLEV HKKPLQEVEIAAITHGALHGLAYLHSHALIHARDIKAGNILLTEPGQVKLADFGSASMAS PANSFVGTPYWMAPEVILAMDEGQYDGKVDIWSLGITCIELAERKPPLFNMNAMSAL YHIAQNDSPTLQSNEWTDSFRRFVDYCLQKIPQERPTSAELLRHDFVRRDRPLRVLI DLIQRTKDAVRELDNLQYRKMKKILFQETRNGPLNESQEDEEDSEHGTSLNREMDS LGSNHSIPSMSVSTGSQSSSVNSMQEVMDESSSELVMMHDESTINSSSSVVHKK DHFIRDEAGHGDP RPEPRPTQSVQS QALHYRNRRERFATIKSASLVTRQIHEHEQE NELREQMSGYKRMRRQH QKQLIALENKLKAEMDEHRLKLQKEVETHANNSSIELEK

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LAKKQVAIIKEAKVAAADEKKFQQQILAQQKKDLTTFLESQKKQYKICKEKIKEEMNE
DHSTPKKEKQERISKHKENLQHTQAEEEEHLLTQQRLYYDKNCRFFKRKIMIKRHEV
EQQNIREELNKKRTQKEMEHAHLIRHDESTRELEYRQLHTLQKLRMDLIRLQHQT
ENQLEYNKRRERELHRKHVMELRQQPKNLKAMEMQIKKQFQDTCKVQTKQYKALK
NHQLEVTPKNEHKTILKTLKDEQTRKLAILAEQYEQSINEMMASQALRLDEAQEAEC
QALRLQLQQEMELLNAYQSKIKMQTEAQHERELQKLEQRVSLRRAHLEQKIEEELAA
LQKERSERIKNLLERQEREIETFDMESLRMGFGNLVTLD FPKEDYRTRTRPLEQKLIS
EEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TAOK3 TAO kinase 3 [Homo sapiens (human)]

Official Symbol TAOK3

Synonyms TAOK3; TAO kinase 3; serine/threonine-protein kinase TAO3; DPK; JIK; MAP3K18; hKFC-A; STE20-like kinase; JNK/SAPK-inhibitory kinase; jun kinase-inhibitory kinase; kinase from chicken homolog A; CTCL-associated antigen HD-CL-09; dendritic cell-derived protein kinase; thousand and one amino acid protein 3; cutaneous T-cell lymphoma-associated antigen HD-CL-09; FLJ31808; DKFZp666H245;

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Gene ID	51347
mRNA Refseq	NM_016281
Protein Refseq	NP_057365
MIM	616711
UniProt ID	Q9H2K8
SDS-PAGE	