

Recombinant Human TAO Kinase 1, GST-tagged, Active

Cat. No. TAOK1-441H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TAOK1 (1-314) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW = 63 kDa.
Species	Human
Source	Sf9 Cells
Protein Length	1-314 a.a.
Description	TAOK1 is a serine/threonine-protein kinase involved in regulation of the p38-containing stress-responsive MAP kinase pathway and extracellular signal-regulated protein kinase (ERK) kinases (MEKs). The activation of and binding to MEK3 by TAOK1 implicates TAOK1 in the regulation of the p38-containing stress-responsive MAP kinase pathway. A microtubule affinity-regulating kinase kinase, TAOK1 (also known as MARKK) is an important regulator of mitotic progression, required for both chromosome congression and checkpoint-induced anaphase delay.
Sequence	1-314.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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GENE INFORMATION

Gene Name	TAOK1 TAO kinase 1 [Homo sapiens]
Synonyms	TAOK1; TAO kinase 1; PSK2; TAO1; MARKK; MAP3K16; FLJ14314; KIAA1361; STE20-like kinase; serine/threonine kinase TAO1; serine/threonine protein kinase TAO1 homolog; microtubule affinity regulating kinase kinase; EC 2.7.11.1; hKFC-B; Kinase from chicken homolog B; STE20-like kinase PSK2; Thousand and one amino acid protein 1; Serine/threonine-protein kinase TAO1
Gene ID	57551
mRNA Refseq	NM_020791
Protein Refseq	NP_065842
MIM	610266
UniProt ID	Q7L7X3
Chromosome Location	17q11.2
Pathway	MAPK signaling pathway
Function	ATP binding; nucleotide binding; protein kinase activator activity; protein kinase binding; protein serine/threonine kinase activity; transferase activity

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