

Recombinant Human TAO Kinase 2, GST-tagged, Active

Cat. No. TAOK2-442H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TAOK2 (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	Thousand and one-amino acid protein kinase 2 (TAOK 2) is part of the stress-sensitive kinase cascade and activation of and binding to MKK3 by TAOK2 implicates it in the regulation of the p38-containing stress-responsive MAP kinase pathway. TAOK2 protein kinase activates p38 mitogen-activated protein kinase cascade in vitro and in cells by phosphorylating the MAP/ERK kinases MKK3 and MKK6. TAO2 may play an important role in the activation of specific intracellular signaling pathways that are unique to osmotic stress.
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	TAOK2 TAO kinase 2 [Homo sapiens]
Synonyms	TAOK2; TAO kinase 2; PSK; PSK1; TAO1; TAO2; MAP3K17; KIAA0881; prostate derived STE20-like kinase PSK; thousand and one amino acid protein kinase; EC 2.7.11.1; PSK-1; hKFC-C; Kinase from chicken homolog C; Prostate-derived STE20-like kinase 1; Thousand and one amino acid protein 2; prostate derived STE20-like kinase PSK; Serine/threonine-protein kinase TAO2
Gene ID	9344
mRNA Refseq	NM_004783
Protein Refseq	NP_004774
UniProt ID	Q9UL54
Chromosome Location	16p11.2
Pathway	MAPK signaling pathway
Function	ATP binding; magnesium ion binding; nucleotide binding; protein serine/threonine kinase activity; transferase activity

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PDB rendering based
on 1u5q.



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