

TAOK2 recombinant protein

TAOK2, Active

CATALOG # AAA74070	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TAOK2; Active; PSK; PSK1; TAO1; TAO2; MAP3K17; KIAA0881; TAOK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for TAOK2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for TAOK2 recombinant protein	Recombinant human TAOK2 (1-314) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_004783. 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 (1). 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 (2).
Product Categories/Family for TAOK2 recombinant protein	Protein Kinases ; Cancer ; Inflammation ; Invasion/Metastasis ; JNK/SAPK Pathway ; p38 Pathway ; Ser/Thr Kinases
References	1. Hutchison, M. et al: Isolation of TAO1, a protein kinase that activates MEKs in stress-activated protein kinase cascades. J. Biol. Chem. 1998; 273:28625-32. 2. Chen, Z. et al: TAO (thousand-and-one amino acid) protein kinases mediate signaling from carbachol to p38 mitogen-activated protein kinase and ternary complex factors. J. Biol. Chem. 2003;278:22278-83.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_004783
Molecular Weight	~63kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/taok2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74070>