

TAOK1 recombinant protein

TAOK1, Active

CATALOG # AAA74069	HOST Sf9 insect cells	APPLICATIONS Western Blot
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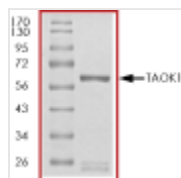
PRODUCT SYNONYMS

TAOK1; Active; PSK2; MARKK; MAP3K16; FLJ14314; KIAA1361; TAOK1 recombinant protein

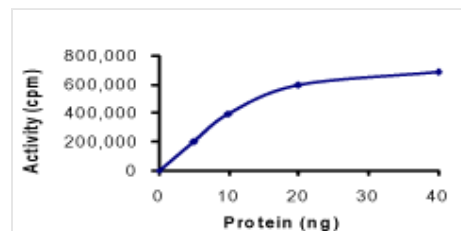
PRODUCT SPECIFICATIONS

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 TAOK1 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 TAOK1 recombinant protein	Recombinant human TAOK1 (1-314) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_020791. 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)(1). 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 (2).
Product Categories/Family for TAOK1 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(44):28625-32.
2. Draviam, V.M. et al: A functional genomic screen identifies a role for TAO1 kinase in spindle-checkpoint signalling. Nat. Cell Biol. 2007; 9(5):556-64.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_020791](#)

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/taok1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/74069>