

Recombinant Human TAO Kinase 3, GST-tagged

Cat. No. TAOK3-1110H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human TAOK3 (1-463) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-463 a.a.
Description	TAOK3 or TAO kinase 3 is a member of the serine/threonine-protein kinase family that inhibits the basal activity of Jun kinase and is negatively regulated by epidermal growth factor (EGF). Overexpression of TAOK3 may activate the ERK1/ERK2 and JNK/SAPK targets. TAOK3 is highly expressed in peripheral blood leukocytes (PBLs), thymus, spleen, kidney, skeletal muscle, heart and liver.
Applications	Kinase Assay; Western Blot
Molecular Weight	89 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25% glycerol.
Specific Activity	260 nmol/min/mg

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Purity	> 90 %
Concentration	0.1 ug/ul
Sequences	Full-length
Storage	Store product at -70oC. 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.
Pathways	MAPK signaling pathway
GENE INFORMATION	
Gene Name	TAOK3 TAO kinase 3 [Homo sapiens]
Official Symbol	TAOK3
Synonyms	TAOK3; TAO kinase 3; DPK; JIK; MAP3K18; FLJ31808; DKFZp666H245; serine/threonine-protein kinase TAO3; 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; EC 2.7.11.1
Gene ID	51347
mRNA Refseq	NM_016281
Protein Refseq	NP_057365

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UniProt ID	Q9H2K8
Chromosome Location	12q
Function	ATP binding; nucleotide binding; protein kinase inhibitor activity; protein serine/threonine kinase activity; transferase activity

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