

Datasheet for ABIN7317073

TAO Kinase 3 Protein (TAOK3) (AA 1-411) (GST tag,His tag)[Go to Product page](#)**1** Image

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | TAO Kinase 3 (TAOK3) |
| Protein Characteristics: | AA 1-411 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This TAO Kinase 3 protein is labelled with GST tag,His tag. |

Product Details

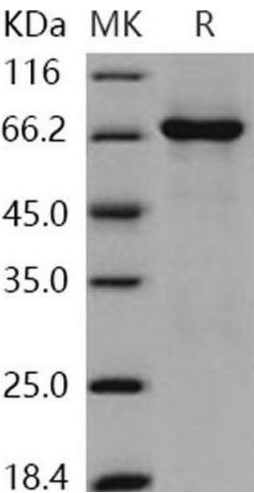
| | |
|------------------------------|---|
| Purpose: | Recombinant Human TAOK3/JIK/MAP3K18 Protein (aa 1-411, His & GST Tag)(Active) |
| Sequence: | Met 1-Asp 411 |
| Characteristics: | A DNA sequence encoding the amino acids (Met 1-Asp 411) of human TAOK3 (Q9H2K8-1) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus. |
| Purity: | > 92 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |
| Biological Activity Comment: | The specific activity was determined to be 10 nmol/min/mg using synthetic PKCtide peptide (ERM RPRKRQGSVRRRV) as substrate. |

Target Details

| | |
|-------------------|---|
| Target: | TAO Kinase 3 (TAOK3) |
| Alternative Name: | TAOK3/JIK/MAP3K18 (TAOK3 Products) |
| Background: | <p>Background: Serine/threonine-protein kinase TAO3, also known as cutaneous T-cell lymphoma-associated antigen HD-CL-09, CTCL-associated antigen HD-CL-09, Dendritic cell-derived protein kinase, JNK / SAPK-inhibitory kinase, Jun kinase-inhibitory kinase, Kinase from chicken homolog A, Thousand and one amino acid protein 3, JIK, TAOK3 and MAP3K18, is cytoplasm and peripheral membrane protein which belongs to the protein kinase superfamily, STE Ser/Thr protein kinase family and STE20 subfamily. Protein kinases are pivotal regulators of cell signaling that modulate each other's functions and activities through site-specific phosphorylation events. TAOK3 / JIK contains one protein kinase domain. TAOK3 / JIK is ubiquitously expressed at a low level, and highly expressed in peripheral blood leukocytes (PBLs), thymus, spleen, kidney, skeletal muscle, heart and liver. TAOK3 / JIK inhibits the basal activity of Jun kinase. It is negatively regulated by epidermal growth factor (EGF). When overexpressed, TAOK3 / JIK may activate ERK1 / ERK2 and JNK / SAPK.</p> <p>Synonym: DPK;JIK;MAP3K18</p> |
| Molecular Weight: | 74.3 kDa |

Application Details

| | |
|------------------|--|
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Frozen, Liquid |
| Buffer: | Supplied as sterile 20 mM Tris, 500 mM NaCl, 3 mM GSH, pH 7.4, 10 % glycerol |
| Storage: | -20 °C |
| Storage Comment: | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |



Western Blotting

Image 1.