Recombinant Human TAOK1/PSK2 Kinase

Catalog No.: RP03427LQ

Sequence Information

Species
Human

Gene ID
57551

Swiss Prot
Q7L7X3

Tags
N-His-GST

Synonyms
TAOK1; KIAA1361; MAP3K16; MARKK; hKFC-B; Kinase from chicken homolog B; MARK Kinase; PSK-2; PSK2; Prostate-derived STE20-like kinase 2; Prostate-derived sterile 20-like kinase 2; Thousand and one amino acid protein kinase 1; Serine/threonine-protein kinase TAO1

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 80 % as determined by SDS-PAGE;≥ 80 % as determined by HPLC.

Calculated MW
63.4 kDa

Observed MW
50-60 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris pH 7.5, 200 mM NaCl, 20% glycerol, 1 mM DTT. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Serine/threonine-protein kinase TAO1 is an enzyme that in humans is encoded by the TAOK1 gene. Mutations of the TAOK1 gene cause developmental delay with or without intellectual impairment or behavioral abnormalities (DDIB), a condition first described in 2019.

Basic Information

Description
Recombinant Human TAOK1/PSK2 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Pro2-Lys314) of Human TAOK1 (Accession #Q7L7X3) fused with a N-His-GST tag.

Activity
The activity of TAOK1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

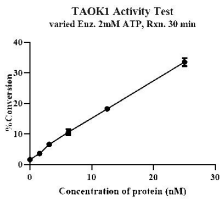
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

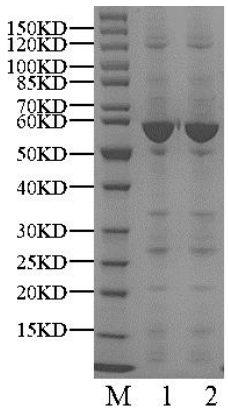
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Validation Data



The activity of TAOK1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.



Recombinant Human TAOK1/PSK2 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.

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