

Recombinant Human TAOK1/PSK2 Kinase

Catalog No.: RP03427LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	57551	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 TA01

Product Information

Source	Purification
Baculovirus-Insect Cells	> 80% by SDS-PAGE and HPLC

Calculated MW	Observed MW
63.4 kDa	50-60 kDa

Endotoxin

< 1.0 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.

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Background

Serine/threonine-protein kinase TA01 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.

Bio-Activity

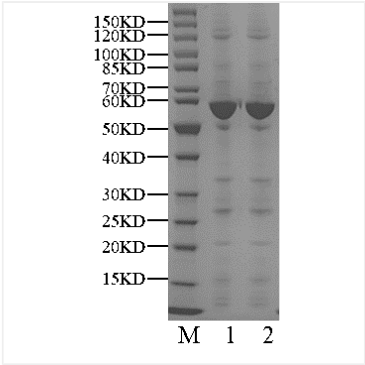
The activity of TAOK1 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Storage

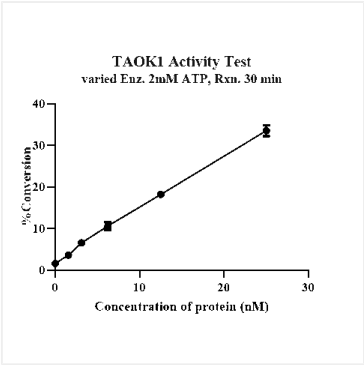
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

Validation Data



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



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