

Catalog No.: RP03427LQ **Recombinant**

Species	Gene ID	Swiss Prot
Human	57551	O7L7X3

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

Source	Purification
Baculovirus-Insect Cells	≥ 80 % as determined by SDS-PAGE; ≥ 80 % as determined by HPLC.

Calculated MW	Observed MW
63.4 kDa	50-60 kDa

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

Supplied as a 0.22 μ m 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.

Please use running water to thaw it quickly.

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.

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 $\leq -70^{\circ}\text{C}$ 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.

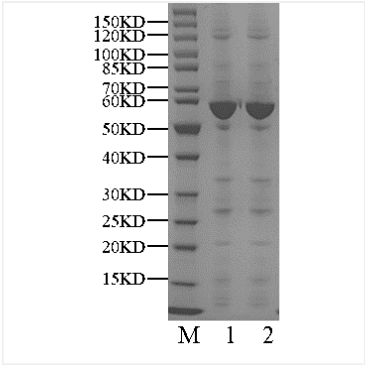
Contact

 | 400-999-6126

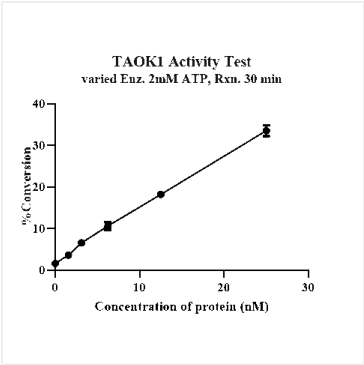
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Validation Data



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



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