Recombinant Human PASK Kinase

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Catalog No.: RP03436LQ Recombinant

Sequence Information

Species Gene ID **Swiss Prot** Human 23178 096RG2

Tags N-GST

Synonyms

PASK; KIAA0135; PAS-kinase; PASKIN; hPASK; PAS domain-containing serine/threonine-protein kinase

Product Information

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

determined by HPLC.

Calculated MW Observed MW 68.3 kDa 60-70 kDa

Endotoxin

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

Formulation

Supplied as a 0.22 µm filtered solution in 50 mM Tris-HCl, 200 mM NaCl, 0.05% Brij35, 10% 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

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Background

PAS domain-containing serine/threonine-protein kinase is an enzyme that in humans is encoded by the PASK gene. PAS domains regulate the function of many intracellular signaling pathways in response to both extrinsic and intrinsic stimuli. PASK is an evolutionarily conserved protein present in yeast, flies, and mammals.

Basic Information

Description

Recombinant Human PASK Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser949-Ser1323) of Human PASK (Accession #Q96RG2) fused with a N-GST tag.

Bio-Activity

The activity of PASK 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

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

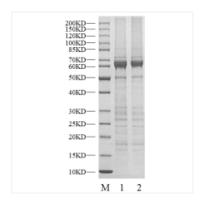
Store at -70°C. This product is stable at \leq -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.

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

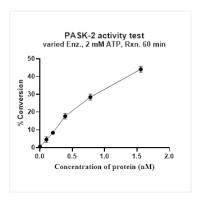
Avoid repeated freeze/thaw cycles.

Operational Notes

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



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



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