

Recombinant Human DAPK3/ZIPK Kinase

Catalog No.: RP03364LQ

Sequence Information

Species	Gene ID
Human	1613
Swiss Prot	Tags
O43293	N-GST
Synonyms	
DAPK3; ZIPK; DAP kinase 3; Death-associated protein kinase 3; MYPT1 kinase; Zipper-interacting protein kinase; ZIP-kinase	

Background

Death-associated protein kinase 3 is an enzyme that in humans is encoded by the DAPK3 gene. DAPK3 induces morphological changes in apoptosis when overexpressed in mammalian cells. These results suggest that DAPK3 may play a role in the induction of apoptosis. Unlike most other mammalian genes, murine (rat and mouse) DAPK3 has undergone accelerated evolution and diverged from the tightly conserved consensus that is maintained from fish to human. DAPK3 has been shown to interact with PAWR and Death associated protein 6.

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 85% as determined by SDS-PAGE; ≥ 85% as determined by HPLC.
Calculated MW	Observed MW
79.0 kDa	70-85 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, 150 mM NaCl, 5% glycerol, 1 mM DTT, 0.1 M Trehalose. (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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Basic Information

Description

Recombinant Human DAPK3/ZIPK Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Ser2-Arg454) of Human DAPK3 (Accession #O43293) fused with a N-GST tag.

Activity

The activity of DAPK3 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.

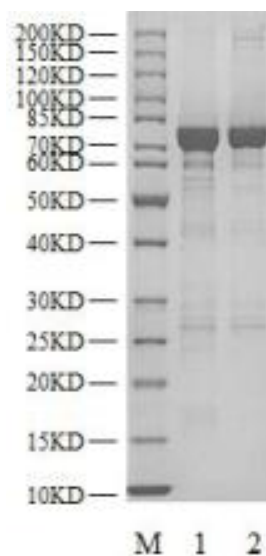
Storage

Store at -80°C

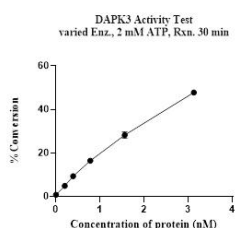
Operational Notes

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

Validation Data



Recombinant Human DAPK3/ZIPK Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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