

Recombinant Human PIM3 Kinase

Catalog No.: RP03429LQ

Sequence Information

Species **Gene ID**
Human 415116

Swiss Prot **Tags**
Q86V86 N-GST

Synonyms

PIM3; pim-3; Serine/threonine-protein kinase pim-3

Product Information

Source **Purification**
Baculovirus-Insect Cells ≥ 85% as determined by SDS-PAGE; ≥ 85% as determined by HPLC.

Calculated MW **Observed MW**
62.4 kDa 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-HCl, 150 mM NaCl, 5% glycerol, 5 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.

Background

Serine/threonine-protein kinase pim-3 is an enzyme that in humans is encoded by the PIM3 gene. PIM kinase is a serine/threonine kinase with known therapeutic importance. Further division of this family includes PIM-1, PIM-2, and PIM-3 kinases that share more than 80% sequence identity within their own sub-family, and less than 30% sequence identity with other kinases. Catalytic domain of human PIM-2 has 61% and 66% sequence identity with their PIM-1 and PIM-3 counterparts, respectively. PIM3 modulates signal transduction, expressed by EWS/ETS fusion protein. It belongs to Ewing's family tumor (EFTs) that promotes the growth of EFT cell lines by chromosomal translocation. It is over expressed in human hepatocellular carcinoma.

Basic Information

Description

Recombinant Human PIM3 Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Leu2-Leu326) of Human PIM3 (Accession #Q86V86) fused with a N-GST tag.

Activity

The activity of PIM3 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°C

Operational Notes

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

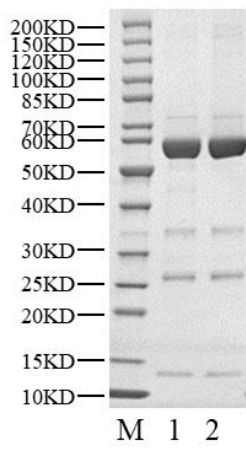
Contact

☎ | 400-999-6126

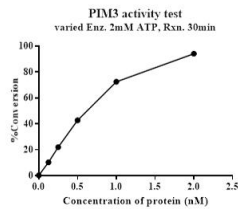
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human PIM3 Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



The activity of PIM3 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.