

Recombinant Human IHPK1 Protein (His & GST Tag)

Catalog Number: PKSH030322



Note: Centrifuge before opening to ensure complete recovery of vial contents.

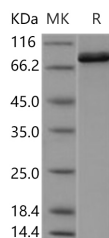
Description

Synonyms	IHPK1;PiUS
Species	Human
Expression Host	Baculovirus-Insect Cells
Sequence	Met 1-Gln 441
Accession	Q92551-1
Calculated Molecular Weight	78.0 kDa
Observed molecular weight	88 kDa
Tag	N-His-GST

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as sterile solution of 20mM Tris, 500mM NaCl, pH 8.0, 10% glycerol
Reconstitution	Not Applicable

Data



> 85 % as determined by reducing SDS-PAGE.

Background

IHPK1 is a inositol hexaphosphate kinase (IHPK) protein which belongs to the inositol phosphokinase (IPK) family. IHPK proteins are likely responsible for the conversion of inositol hexakisphosphate (InsP6) to diphosphoinositol pentakisphosphate (InsP7/PP-InsP5). IHPK1 may also convert 1,3,4,5,6-pentakisphosphate (InsP5) to PP-InsP4 and affect the growth suppressive and apoptotic activities of interferon-beta in some ovarian cancers. During cell death, IHPK1 activity is enhanced, and intracellular InsP7 level is augmented. The distribution of IHPK1 or another predisposing gene affected by position effect of translocation may explain the T2DM phenotype at least in this family.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017