IPMK Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	IPMK, Lysate
Full Product Name	Human IPMK Protein Lysate
Product Gene Name	IPMK lysate
Product Synonym Names	IPMK; Impk; Ipk2; inositol polyphosphate kinase 2; inositol polyphosphate multikinase
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	47,222 Da
OMIM	609851
3D Structure	ModBase 3D Structure for Q8NFU5
Related Product Information for IPMK lysate	Human IPMK Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of IPMK lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IPMK purchase	MBS8413663 is a lysate targeting IPMK. Also known as Human IPMK Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IPMK. It may not necessarily be applicable to this product.

NCBI GI #	22726201
NCBI GeneID	253430
NCBI Accession #	NP_689416
UniProt Primary Accession #	Q8NFU5
UniProt Related Accession #	Q8NFU5
GenBank Nucleotide #	NM_152230
NCBI Official Full Name	inositol polyphosphate multikinase
NCBI Official Synonym Full Names	inositol polyphosphate multikinase
NCBI Official Symbol	IPMK
UniProt Protein Name	Inositol polyphosphate multikinase
UniProt Synonym Protein Names	Inositol 1,3,4,6-tetrakisphosphate 5-kinase
Protein Family	Inositol polyphosphate multikinase
UniProt Gene Name	IPMK

UniProt Synonym Gene Names	IMPK
UniProt Entry Name	IPMK_HUMAN
NCBI Protein Information	inositol polyphosphate multikinase; inositol 1,3,4,6-tetrakisphosphate 5-kinase
UniProt Comments for IPMK	IPMK: Inositol phosphate kinase with a broad substrate specificity. Has a preference for inositol 1,4,5-trisphosphate (Ins(1,4,5)P3) and inositol 1,3,4,6-tetrakisphosphate (Ins(1,3,4,6)P4). Belongs to the inositol phosphokinase (IPK) family. Protein type: EC 2.7.1.151; Carbohydrate Metabolism - inositol phosphate; Kinase, other; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 10q21.1 Cellular Component: nucleoplasm; nucleolus; nucleus Molecular Function: inositol tetrakisphosphate 3-kinase activity; inositol trisphosphate 6-kinase activity; inositol trisphosphate 3-kinase activity; ATP binding Biological Process: inositol phosphate metabolic process; neural tube formation; phosphorylation; inositol phosphate biosynthetic process
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