

Human ITPK1 Knockdown Cell Lysate

Cat. No. ITPK1-216HKCL Lot. No. (See product label)

SPECIFICATION

Product Overview	WB-validated ITPK1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	<p>This gene encodes an enzyme that belongs to the inositol 1,3,4-trisphosphate 5/6-kinase family. This enzyme regulates the synthesis of inositol tetrakisphosphate, and downstream products, inositol pentakisphosphate and inositol hexakisphosphate. Inositol metabolism plays a role in the development of the neural tube. Disruptions in this gene are thought to be associated with neural tube defects. A pseudogene of this gene has been identified on chromosome X.</p>
Form	Cell-Tissue Lysis buffer
Molecular Mass	46 kDa
Notes	<p>Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.</p>
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg ITPK1 KD HeLa cell lysate
Protein Families	Druggable Genome
Protein Pathways	Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	ITPK1 inositol-tetrakisphosphate 1-kinase [Homo sapiens (human)]
Official Symbol	ITPK1
Synonyms	ITPK1; inositol-tetrakisphosphate 1-kinase; inositol 1,3,4 triphosphate 5/6 kinase; ins(1,3,4)P(3) 5/6-kinase; inositol-triphosphate 5/6-kinase; inositol 1,3,4-triphosphate 5/6 kinase; inositol 1,3,4-trisphosphate 5/6 kinase; inositol 1,3,4-trisphosphate 5/6-kinase; ITRPK1;
Gene ID	3705
mRNA Refseq	NM_001142593
Protein Refseq	NP_001136065
MIM	601838
UniProt ID	Q13572

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