

Product datasheet for TP304537

ITPK1 (NM_014216) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human inositol 1,3,4-triphosphate 5/6 kinase (ITPK1), transcript variant 1, 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC204537 protein sequence
Red=Cloning site **Green**=Tags(s)

MQTFLKGKRVGYWLSEKKIKKLNFAELCRKRGMEVWQLNLSRPIEEQGPLDVIIHKLTDVILEADQN
DSQSLELVHRFQEYIDAHPETIVLDPLPAIRLLDRSKSYELIRKIEAYMEDDRICSPFMELTSLCGDD
TMRLLEKNGLTFPFICKTRVAHGTSHEMAIVFNQEGLNAIQPPCVWQNFHNAVLYKVFVVGESYTV
QRPSLKNFSAGTSDRESIFFNSHNVSKEPSSVLTLDKIEGVFERPSEVIRELSRALRQALGVSLFGI
DIIINNQTGQHAVIDINAFPGYEGVSEFFDLLNHIATVLQGGSTAMAATGDVALLRHSKLLAEPAGGLV
GERTCSASPGCCGSMGQDAPWKAADAGGTAKLPHQRLGCNAGVSPSFQQHCVASLATKASSQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 45.4 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_055031](#)



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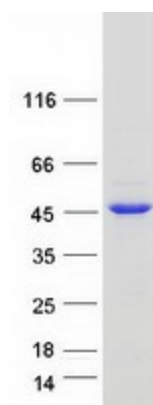
Locus ID: 3705
UniProt ID: [Q13572](#), [A0A024R6H3](#)
RefSeq Size: 3385
Cytogenetics: 14q32.12
RefSeq ORF: 1242
Synonyms: ITRPK1

Summary: 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. [provided by RefSeq, Jul 2016]

Protein Families: Druggable Genome

Protein Pathways: Inositol phosphate metabolism, Metabolic pathways, Phosphatidylinositol signaling system

Product images:



Coomassie blue staining of purified ITPK1 protein (Cat# TP304537). The protein was produced from HEK293T cells transfected with ITPK1 cDNA clone (Cat# [RC204537]) using MegaTran 2.0 (Cat# [TT210002]).