

Product datasheet for **TP327205M**

ITPK1 (NM_001142593) 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 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227205 protein sequence Red =Cloning site Green =Tags(s)
	<p>MQTFLKGRVGYWLSEKKIKKLNQFAELCRKRGMEVWQLNLSRPIEEQGPLDVIIHKLTDVILEADQN DSQSLELVHRFQEYIDAHPETIVLDPLPAIRLLDRSKSYELIRKIEAYMEDDRICSPPFMELTSLCGDD TMRLEKNGLTFFPFICKTRVAHGTSHEMAIVFNQEGLNAIQPPCVWQNFHNNAVLYKVFVVGESYTV QRPSLKNFSAGTSDRESIFFNSHNVSKPESSVLTELDKEGVFERPSPDEVIRELSRALRQALGVSLFGI DIIINNQTGQHAVIDINAFPGYEGVSEFFDLLNHIATVLQGGSTAMAATGDVALLRHSKLLAEPAGGLV GERTCSASPGCCGSMGQDAPWKAADAGGTAKLPHQRLGCNAGVSPSFQQHCVASLATKASSQ</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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:	<u>NP_001136065</u>



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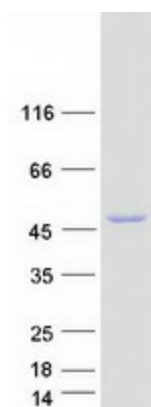
Locus ID: 3705
UniProt ID: [Q13572](#), [A0A024R6H3](#)
RefSeq Size: 3264
Cytogenetics: 14q32.12
RefSeq ORF: 1242
Synonyms: ITRPK1

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# [TP327205]). The protein was produced from HEK293T cells transfected with ITPK1 cDNA clone (Cat# [RC227205]) using MegaTran 2.0 (Cat# [TT210002]).