

## Product datasheet for **AR50479PU-N**

### ITPK1 (1-414, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	ITPK1 (1-414, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSQMQLFLK GKRVGWYLSK KIKKLNLFQA FAELCRKRGM EVVQLNLSRP IEEQGPLDVI IHKLTDVILE ADQNDSQSLE LVHRFQEYID AHPETIVLDP LPAIRLLDR SKSYELIRKI EAYMEDDRIC SPPFMELTSL CGDDTMRLLE KNGLTFPIC KTRVAHGNTS HEMAIVFNQE GLNAIQPPCV VQNFHINNAV LYKVFVWGES YTVVQRPSLK NFSAGTSDRE SIFFNHNSVS KPESSVLTE LDKIEGVFER PSDEVIRELS RALRQALGVS LFGIDIINN QTGQHAVIDI NAFPGYEGVS EFFTDLNHI ATVLQGQSTA MAATGDVALL RSKLLAEP A GGLVGERTCS ASPGCCGSM GQDAPWKAEA DAGGTAKLPH QRLGCNAGVS PSFQHCVAS LATAKSSQ
Tag:	His-tag
Predicted MW:	48.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.1 M NaCl, 10% glycerol, 1 mM EDTA
Preparation:	Liquid purified protein
Protein Description:	Recombinant human ITPK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001136065</a>
Locus ID:	3705
UniProt ID:	<a href="#">Q13572</a> , <a href="#">A0A024R6H3</a>



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**Cytogenetics:** 14q32.12

**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:**

