

Product datasheet for **RN212010**

Itpka (NM_031045) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itpka (NM_031045) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Itpka
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212010 representing NM_031045 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGACCCTGCCCGGACACCCGACGGGCATGGCGCGACCACGGGGCGGGGCCCTGCAGCCCCGGTTGG
AGCGGGCTCCGCGCCGGAGCGTCGGGGAGCTGCGCTGCTTTCGAAGCGCGCTGCGCCGAGTCGCGC
CGCAGCGCCCGCAGGGGAGCCCCGGGCCCGGGGCCAAGCGGGCTGGGGACAAGTGCCTAACGGGCTC
CGCGTGTGCCCTGCTCCGGTATCCCGCAGCTCACTGTGACAAGCGAGGAGGATGTGGCCCCGGCCA
GCCCCGGGCCCGGACCGGGAGGGGAAGTGGCTCCCAGCTGCGGGTGCACCTGCAGCAGCCACGCCG
CCTCTCCACCTCGTCCCTCTCTCCACCGCTCCTCGTCGCTGCTCGAGGACTCGGAGGACGACCTGCTG
AGCGACAGCGAGAGCCGGAGCCGCGCAACGTGCAGCTGGAAACCAGCGAAGACGTGGGGCAGAAAAGCC
ATTGGCAGAAGATCCGTACCATGGTCAACCTGCCTGTCATGAGTCCTTTCAAAAAGCGCTACTCCTGGGT
GCAGTTAGCAGGGCACACAGGGAGTTTCAAAGCTGCGGGCACCAGCGCCTGATCCTGAAGCGCAGCTCG
GAGCCTGAACACTACTGCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
GTGTGGT
CGTGTGACTGCAAGATGGGTGTCAGAACTTACCTGGAAGAAGAGCTGACCAAAGCCCGAGAACGGCCC
AAGCTGCGAAAGGACATGTATAAGAAAATGCTGGCCGTGGACCCCGAGGCACCTACTGAGGAGGAGCATG
CGCAGCGTGCCGTACAAAACCTCGATACATGCAATGGCGCAAGGCATCAGCTCCAGCACTACACTCGG
CTTCCGCATCGAGGGCATCAAGAAAGCCGATGGATCTTGCACTACTGATTTCAAACTACACGAAGCAGA
GAGCAAGTGACTCGAGTCTTTGAGGAGTTCATGCAAGGAGATGCTGAAGTGTGAAGAGGTATCTGAACC
GCCTACAGCAGATCCGGGATACCTGGAGATCTGATTTCTTTAGACGGCAGGAGGTGATTGGCAGCTC
ACTCCTCTCGTGCATGACCATTGCCATCGCGTGGTGTGTGGTGCATCGATTTGGCAAGACCACGCCCT
CTCCCCGATGGCCAGATCCTGGATCATCGGAGGCCCTGGGAGGAGGGCAATCGTGAGGACGGCTATTTGC
TGGGGCTGGACAATCTCATTGGCATCTTGCCAACTGGCTGAGAGATGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031045
Insert Size:	1380 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_031045.2 , NP_112307.2
RefSeq Size:	1831 bp
RefSeq ORF:	1380 bp
Locus ID:	81677
UniProt ID:	P17105
Cytogenetics:	3q35
Gene Summary:	an enzyme that catalyses the phosphorylation of InsP3 to inositol 1,3,4,5-tetrakisphosphate (InsP4) [RGD, Feb 2006]