

Product datasheet for **RR216630**

Itpk1 (NM_001191985) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itpk1 (NM_001191985) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itpk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216630 representing NM_001191985 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGACCTTCCTGAAAGGGAAGAGAGTTGGCTACTGGCTGAGCGAGAAGAAAGTCAAGAAGCTCAATT
TCCAGGCCTTCGCGGAGCTGTGCAGGAAGCGAGGGATCGAGGTCGTGCAGCTGAACCTGAGCCGGCCAAT
TGAGGAGCAGGGCCCCCTGGATGTCATCATCCACAAGCTGACCGATGTCATCCTCGAGGCTGACCAGAAT
GACAGCCAGTCCCTGGAATTGGTGACAGGTTCCAAGAGTACATCGATGCTCACCCCTGAGACCATCGTCC
TGGACCCCTTCCCGCCATCAGGACCCTGTTAGACCGCTCCAAGTCTACGAGCTCATCCGAAGATCGA
GGCCTATATGAAAGATGACAGGATCTGCTCGCCACCCCTTCATGGAGCTCACGAGCCTGTGTGGGATGAC
ACCATGAGGCTGCTGGAGCAGAACGGCCTGGCCTTCCCTTCATTTGCAAAACCAGAGTGGCTCATGGCA
CCAACCTCATGAGATGGCCATTGTGTTAAACCAAGAGGGCTGAGTGCCATCCAACCTCCCTGTGTGGT
CCAGAACTCATCAACCACAATGCTGTGCTGTACAAGGTGTTTGGTGGGCGAGTCTACACAGTGGT
CAGAGACCCTCACTCAAGAACTTCTCCGCGGGCACCTCAGATCGTGAATCCATCTTCTTCAACAGCCACA
ATGTGTCAAAGCCGGAGTCTTCTCAGTCTCACTGAGCTGGACAAGATTGAGGGCGTATTCGAACGGCC
AAGTGACGAGTTATCCGGGAGCTGTCCCGGGCTCTGCGGAGGCGCTGGGAGTGTCACTGTTTGAATC
GACATCATCATTAAACAACCAGACGGGTCAGCACGAGTCATAGATGTCAATGCCTTCCCAGGCTATGAGG
GAGTGAGTGAGTCTTTACCGACCTCCTGAACCACATTGCCACAGTACTGCAAGGCCAGAGCACAGGAGG
AGCTGCCACAGAGGAAGTGGCCCCACTAAGGCACAACAGGCTCCTGGCAGAACGGCAGGACGCCTGGCT
GGTGAGCGGACGTGCAGTGCCAGCCCTGGCTGCTGCAGCAGCATGAAGGGCCAGGACACACCCTGGAAGA
CTGAGGCCGAAGCGGGCAACATGGGCGCTGGTGGTGGTGGTCCGCCAAGCTGCCGACCCAGAGACTTGG
CTGCACCACCGGCGTGTCAACCAGCTTCCAGCAGCACTGTGTGGCCTCTCTGGCCACCAAGGCCTCTCA
CAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216630 representing NM_001191985
 Red=Cloning site Green=Tags(s)

MQTF LKGRVGYWLSEKKVKKLNFAELCRKRGIEVVQLNLSRPIEEQGPLDVIHKLTDVILEADQN
 DSQSLELVHRFQEYIDAHPETIVLDPLPAIRTLDRSKSYELIRKIEAYMKDDRICSPFMELTSLCGDD
 TMRLLLEQNGLAFPFICKTRVAHGTNSHEMAIVFNQEGLSAIQPPCVVQNFINHNAVLYKVFVVGESYTVV
 QRPSLKNFSAGTSDRESIFFNSHNVSKEPSSSVLTEDKIEGVFERPSDEVIRELSRALRQALGVSLFGI
 DIIINNQTGQHAVIDVNAFPGYEGVSEFFDILLNHIATV LQGQSTGGAATEEVAPLRHNRLLAEPAGSLA
 GERTCSASPGCCSSMKGQDTPWKTEAEAGNMGAGGGGSAKLPHQLGCTTGVSPSFQQHCVASLATKASS
 Q

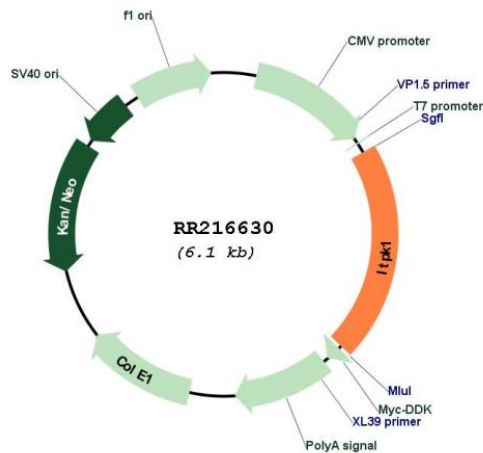
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001191985
ORF Size:	1263 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001191985.1 , NP_001178914.1
RefSeq Size:	1635 bp
RefSeq ORF:	1266 bp
Locus ID:	500709
Cytogenetics:	6q32
MW:	46.2 kDa