

Product datasheet for **MR207337**

Itpka (NM_146125) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itpka (NM_146125) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itpka
Synonyms:	MGC28924
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR207337 representing NM_146125
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACCCTGCCCGGGCGCCGACGGGCATGGCGCGCCACGGGGCGGGGCCCTGCAGCCCCGGGCTGG
 AGAGGGCTCCGCGCCGGAGCGTCCGGGAGCTGCGCCTGCTCTTCGAAGCGCGCTGCGCCGAGTCCGCCG
 TGCAGCAGCCGACAGGGGAGCCCCGGGCCGCGGGGCAAGCGCGCTGGGGACAAGTGCCAACGGGCTC
 CCGCGTGTGCCCTGCCCGGTGATCCCTCAGCTCACTGTGACAAGCGAGGAGGATGTGACCCCGGCCA
 GCCCAGGGCCGACAGACCAGGAGGGAACTGGCTCCAGCTGCGGGTGCACCTGCAGCAGCCACGCCG
 CCTCTCCACCTCGTCCCTCTCCTCCACCGGCTCCTCGTCGCTGCTCGAGGACTCGGAGGACGATCTGCTG
 AGCGACAGTGAGAGCAGGAGCCGCGCAACGTGCAGTGGAAACCAGCGAGGACGTGGGGCAGAAAAGCC
 ACTGGCAGAAGATCCGTACCATGGTCAATCTGCCTGTCATGAGTCTTTCAGAAAGCGCTACTCCTGGGT
 GCAGTTAGCAGGGCACACAGGGAGTTTCAAAGCTGCCGGCACCAGTGGCCTGATCCTGAAACGCAGCTCG
 GAGCCTGAACACTACTGCCTGGTGGGCTGATGGCTGACGTGCTGCGTGGGTGTGTGCCGCCTTCCATG
 GCATAGTCGAGCGGGATGGTGAAGCTACTTGCAGTTACAGGACCTGCTCGATGGCTTCGATGGGCCTTG
 TGTGCTTGACTGCAAGATGGGTGTGAGAACTTACCTGGAAGAGGAGCTGACCAAAGCCCGAGAACGACCC
 AAGCTGCGGAAGGACATGTATAAGAAGATGCTGGCAGTGGACCCTGAGGCACCTACTGAGGAGGAGCATG
 CGCAGCGCGCCGTCACCAAACACGCTACATGCAATGGCGCAAGGCATCAGTCCAGCACTACACTCGG
 CTTTCGCATTGAGGGCATCAAGAAAGCCGATGGATCTTGCACTACTGATTTCAAACACTACACGAAGCCGA
 GAGCAAGTGACCCGTGTCTTTGAGGAGTTCATGCAAGGAGATGCAGAAGTGTGAGGAGGTGATTGGCAGCT
 GCCTACAGCAGATCCGGGATACCCTGGAGATCTGATTTCTTTAGACGGCACGAGGTGATTGGCAGCTC
 ACTCCTCTTCGTGCATGACCATTGCCATCGTGGTGTGTGGCTCATCGATTTTGGCAAGACCACGCCT
 CTCCCGATGGCCAGATCCTGGATCATCGAGGGCCTGGGAGGAGGGCAACCCTGAGGACGGCTATTTGC
 TGGGGCTGGACAATCTCATTGGCATCTTGCCAGCCTGGCTGAGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207337 representing NM_146125
 Red=Cloning site Green=Tags(s)

MTLPGRPTGMARPRGAGPCSPGLERAPRRSVGELRLLFEARCAAVAAAAAAGEPRARGAKRRGGQVPNGL
 PRAAPAPVIPQLTVTSEEDVTPASPGPPDQEGNWLPAAGSHLQQPRRLSTSSLSTGSSSLEDSEDDLL
 SDSESRSRGNVQLETSEDVQKSHWQKIRTMVNLPMSPFRKRYSWVQLAGHTGSFKAAGTSGLIILKRSS
 EPEHYCLVRLMADVLRGCVPAFHGIVERDGE SYLQLQDLLDGFDPVLDCKMGVRTYLEEELTKARERP
 KLRKDMYKMLAVDPEAPTEEEHAQRAVTKPRYMQWREGISSSTLGFRIEIKKADGSCSTDFKTRSR
 EQVTRVFEEFMQGDAEVLRRYLNRLLQIRDLEISDFRFRHEVIGSSLLFVHDHCHRAGVWLLIDFGKTPP
 LPDGQILDHRRPWEEGNREDGYLLGLDNLIGILASLAER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9092_c03.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_146125

ORF Size: 1377 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: 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_146125.2](#), [NP_666237.1](#)

RefSeq Size: 1808 bp

RefSeq ORF: 1380 bp

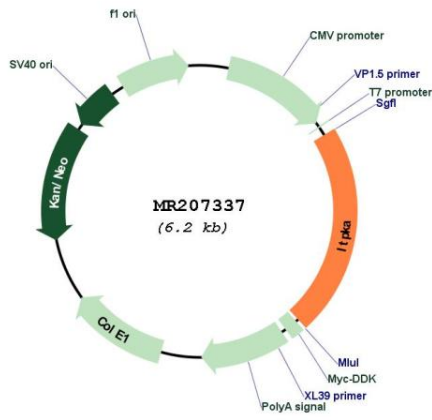
Locus ID: 228550

UniProt ID: [Q8R071](#)

Cytogenetics: 2 E5

MW: 50.9 kDa

Product images:



Circular map for MR207337