

Product datasheet for **RR201604**

Ikzf3 (NM_001107047) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ikzf3 (NM_001107047) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ikzf3
Synonyms:	Zfpn1a3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201604 representing NM_001107047
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGATATACAGCCAAGTGCAGGAGCTGAAAAGCACTGAGGAGCAACCTCTGCCACAGAAAGCCCGG
 AAGCTCTGAATGACTACAGTTTACCCAAACCTCATGAGATTGAAAATGTGGACGGTACAGAAGCCCCAGC
 CAATGAAGACGAAGATGCAGGAGAAGACTTGATGATGAAAGTGAAGATGAGTACAGCGAGAGAGATGAG
 AATATTCTGAAGCCCAGCCCATGGTAGACGCAGAGGAGAGCGAACCCGCTTACAGCTATGCAAGAGAGT
 ACAGCGACTATGAAAACATTAAGCTGGAGAGACACGGGCCGTACGACAGCAGCAGACCCACCAGTGGGAA
 GATGAACTGCGATGTGTGCGGCTTATCCTGCATTAGCTTCAATGTCTTGATGGTTCACAAGCGAAGCCAT
 ACCGGTGAACGCCGTTCCAGTGAATCAGTGTGGGCATCTTTACTCAGAAAGGTAATCTCCTTCGCC
 ACATTAAGCTGCACACAGGGGAAAAACCTTTAAGTGTACCTCTGCAACTACGCATGCCAAAGGAGAGA
 CGCACTCACGGGACACCTTAGGACACATCTGTGGAGAAGCCCTACAAGTGTGAGTCTGCGGAAGAAGC
 TACAAGCAGAGAAGCTCCCTGGAGGAACACAAGGAACGCTGCCGTGCGTTTCTTCAAGAACCTGACCTGG
 GGGATGCTGCAAGTGTGGAGGCGAGACACATCAAAGCCGAGATGGGAAGTGAAGAGCTCTCGTTCTGGA
 CAGATTGGCAAGCAATGTGGCTAAACGAAAAAGCTCGATGCCTCAGAAATTCATTGGTGAGAAGCGCCAC
 TGCTTTGACGCCAACTACAATCCGGGCTACATGTACGAAAAGGAGAACGAGATGATGCAGACCCGGATGA
 TGGACCAAGCCATCAACAACGCCATCAGCTATCTCGGGGCTGAAGCCCTTCGCCCTTAGTCCAGACTCC
 GCCTGCTCCCACCTCTGAGATGGTCCCAGTCAATCAGCAGCGTGTACCCATAGCACTTACTCGGGCCGAT
 ATGCCAATGGGGCCCCACAGGAGCTGGAGAAGAAACGGATCCTCCTGCCAGAGAAGATCTTGCCTCTG
 AACGAGTCTGTCCCAATAACAGTGCAGGATTCCACAGACACCGACAGCAACCAGGATCGCCAC
 GAATCACATCTACCAACAGGGCCACATGGTCTCCTCCCGAGCCGCAACGGGATGCCACTTCTCAAGGAG
 GTACCTCGCTCTTTCGAACTCCTCAAGCCCTCCCATCTGCCTGAGGGACTCCATCAAAGTATCAACA
 AAGAAGGGGAGGTGATGGATGTGTTCCGGTGTGACCACTGCCACGTCTTCTCTAGATTATGTGATGTT
 CACCATCCACATGGGGTCCACGGTTCCTGTGACCCCTTGTAGTGAACATGTGTGGATATCGAAGCCAC
 GATCGCTACGAATTCTCCTCTCACATCGCCAGGGGAGAACACAGAGCCATGTTGAAG

**ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA**

Protein Sequence:

>RR201604 representing NM_001107047
 Red=Cloning site Green=Tags(s)

MEDIQPSAELKSTEEQPLPTESPEALNDYSLPKPHEIENVGTEAPANEDAGEDLMMKVKDEYSERDE
 NILKPEPMVDAEESPEPPYSYAREYSYENIKLERHGPYDSSRPTSGKMNCVDCGLSCISFNVLMVHKRSH
 TGERPFQCNQCGASFTQKGNLLRHILHTGEKPFKCHLCNYACQRRDALTGHLRTHSVEKPYKCEFCGRS
 YKQRSSLEEHKERCRAFLQNPDLGDAASVEARHIKAEMGSERALVLDRLASNVAKRKSMPQKFIGEKRH
 CFDANYNPGYMYEKENEMMQTRMMDQAINNAISYLGAEALRPLVQTTPAPTSEMVPVISSVYPIALTRAD
 MPNGAPQLEKKRILLPEKILPSERGLSPNNSAQDSTDTDSNHEDRQNHIIYQQGHMVLPAQARNGMPLLKE
 VPRSFELLKPPPICLRDSIKVINKEGEVMDVFRCDHCHVFLDYVMFTIHMGCCHGFRDPFECNMCGYRSH
 DRYEFSSHIARGEHRAMLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

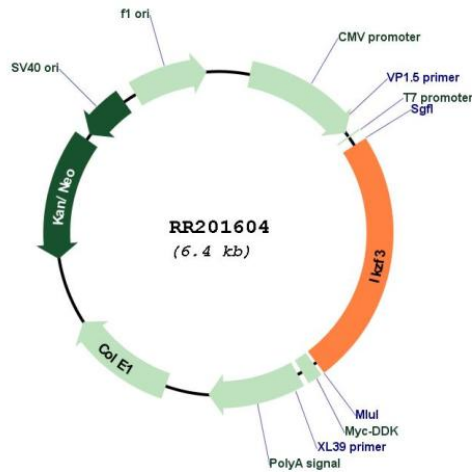
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001107047

ORF Size: 1527 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_001107047.1](#), [NP_001100517.1](#)

RefSeq Size: 2333 bp

RefSeq ORF: 1530 bp

Locus ID: 303511

Cytogenetics: 10q31

MW: 58.1 kDa