

Product datasheet for **MR221301**

Zc3h7b (NM_001081016) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Zc3h7b
Synonyms:	Gm627; mKIAA1031; Scrg3; Zc2h7b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR221301 representing NM_001081016
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGAGGCAGAAACGGAAGGCGGACATCGAGAAGGGGCTGCAGTTCATCCAGTCAACACTACCCCTGA
 AGCAAGAGGAGTATGAGGCTTTCCTGCTCAAGCTTGTGCAGAACCTGTTTGCCGAGGGCAACGACCTGTT
 CCGGGAGAAGGACTACAAGCAGGCTCTGGTGCAGTACATGGAAGGGCTGAACGTGGCTGACTACGCCGCC
 TCTGACCAGGTGGCTCTACCCCGGGAGCTGCTGTGCAAACTGCATGTCAACAGGGCAGCCTGCTACTTCA
 CCATGGGCTGTATGAGAAGGCGCTGGAGGACAGTGAAGGCTTTGGGCTGGATGGCAGAGTATCCG
 GGCACTGTTCCGCAAGGCGCGCCCTCAACGAGCTGGGGGCCCAAAAGAGGCTATGAATGCAGCAGC
 CGGTGCTCCCTCGCGCTTCCCAAGATGAAATGTCAACGAGCTGGGCCAGGAGCTGGCTCAGAAGCTTG
 GACTGCGGGTACGAAAGCCTATAAGAGACCCAGGAATTGAAACGTTTTCTGCTTAGTAATGGCGC
 TCCAGCTGGCTTAACAGATCAGGGAATCTAACGGATTGGGATCTATAGATGACATCGAAACAGACTGC
 TACGTGGATCTCCGAGGCTCCCAAGCCTGCTCCCTCCACTCCACGATGCCCTGTTCCCTCATGTTT
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 AGATGGGGATGTGTTTGGTCCAGAAGTGGACACCTCCTGGACTCTGTCTCTGGTCCAGGGTGGCCTG
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 AACCAAGCAAGACTGTAAGTACGGGGATAACTGCACCTTCGCCTACCATCAGGAGGAGATCGATGTGTGA
 CAGAGGAGCGGAAGGGCACACTCAACCGGACCTGCTCTTTGACCCTCTAGGGGTGTCAAGCGTGGCAG
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 GCCCATGGACAAGGAACTCAACGAGTGGCTGGACCGGCTGAGGTGCTGAAGCAAAAGCTTGCAAGG
 CCCGCAAGGACATGCTTCTGTGTCCAGGATGATGACTTCGGCAATAACAATTCTGCTGCAAGAGGA
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 GGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR221301 representing NM_001081016

Red=Cloning site Green=Tags(s)

MERQKRKADIEKGLQFIQSTLPLKQEEYEAFLLLKLVQNLFAEGNDLFREKDYKQALVQYMEGLNVADYAA
 SDQVALPRELLCKLHVNRAACYFTMGLYEKALEDSEKALGDGESIRALFRKARALNELGRHKEAYECSS
 RCSLALPHDENVTLQGLQAQKLGLRVRYKAYKRPQELTFSLLSNGAPAGLTDQGTSNGLGSIDDIETDC
 YVDLRGSPALLPSTPTMPLFPHVLDLLAPLDGSSRTLPGTEGLDDFSDGDVFGPELDTLLDSLVLVQGG
 PGSGMPSELPLQIPVFPGGTPLPPVVGGSPVSSPLPPASFGLVMDPSRKLAAVLDAALDSPGPTLDPL
 DFLPYSEARLGLDTSFGSARGSLDKDPSFLEETSSQDHRPSSSTQKPAPSPSPMNTLLIKYNLAATH
 EFFQACQLCPYKTPGRAGDYTYREGLEHKCRDRVLLGLRSENSEYIKWRIRPRPTKTSFVGSIYKCKMDI
 NKQDCCKYGDNCTFAHYHQEDJWVTEERKGLTNRLDLLFDPLGGVKRGSITAKLLKEHQGIFTFLCEICFD
 SKPRIISKGTKDSPSVCSNLAAKHSFYNNKCLVHIVRSTSLKYSKIRQFQEHQFQDVCREHYRYGCLRED
 SCHFAHSFIELKVWLLQQYSGMTHEDIVQESKKYQQMEAHAGKASSGLGAPRTHGPSTFDLQMKFVCGQ
 CWRNGQVVEPKDLKYCSAKARHCWTKERRVLLVMSKAKRKWVSRPLPSIRNFPQQYDLCTHAQNGRKC
 QYVGNCSFAHSPSEERDMWTFMKENKILDMQQTDMWLKKNHPGKPGEGTPISSREGEKIQMPTDYADIM
 MGYHCWLCKGNSNSKKQWQHIQSEKHKEKVFTSDSDASGWAYRFPMPGEFRLCDRLQKGKACPDGDKCRC
 AHGQEELNEWLDRREVLLKQKLAKARKDMLLCPRDDDFGKYNFLQEDGDTTGATPDAPVAATAATTTT
 GF

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

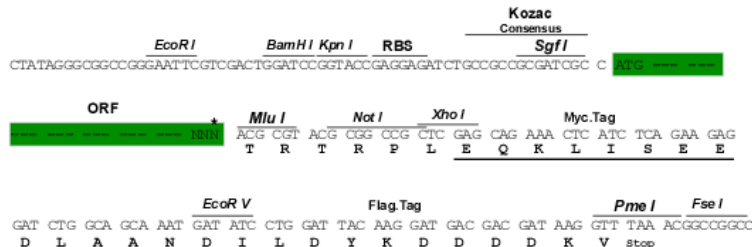
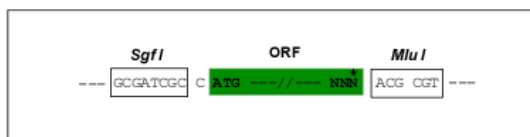
https://cdn.origene.com/chromatograms/mm9094_h07.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

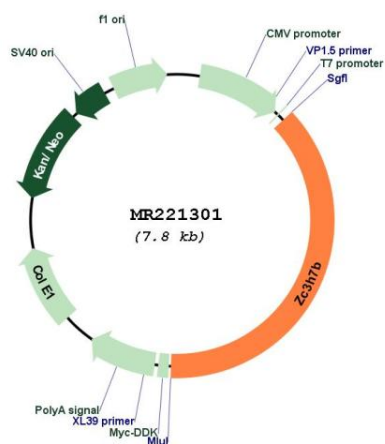
NM_001081016

ORF Size:

2946 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001081016.2
RefSeq Size:	5958 bp
RefSeq ORF:	2949 bp
Locus ID:	20286
Cytogenetics:	15 E1
MW:	110.3 kDa

Product images:



Circular map for MR221301