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Product datasheet for RR205535

Zbtb10 (NM_024489) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb10 (NM_024489) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb10
Synonyms:	Rinzf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

ORF Nucleotide Sequence:

>RR205535 representing NM_024489
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCCGGGCCGACGAGGAAATGGAATCGGAGGGCCTGGAGCCCCAAGACTCGGAGGCCTCCGCCGGG
GCGGCCGCCGCGGAGGACGCCAAGGAGTTGCTGCTCCCCTAGGACACGGGCGGCCCCGCCTTGCTGGGCG
GCGGCGCGGGGGGCCCCCTGCTAGCGGAAAGGAACCGTCGGACTCTGGCCTTCCGCGGGGGAGGCGGCGG
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CGCAGCAGCAGCAGGCGGTCGGGAGGCGAAGGCGGGGAAGAAGCAGAGGGCAGCGGTGTGGGAGCTGGAG
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CCAGACCTCTTGGCTCAAGGACTTCCCTTGGCTGCGGTACTCCAATGATACTGGCCTTATGTTTTGCGGC
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GAGGGACCCGCAACTACAAGAAAACCCTGCTCCTGAGGCACCACGTCTCCACCGAACACAAACTCCACGA
AGCCAACGCCCAGGTGTTAGGATCACAGGCATGTGTCACTGTCGATGGAAGTGCTGTTGATAAACCCGAT
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ACTTAGATATTGCTGCAGTTCAAGGTTTTTCAGTCATCTTGGACTTCCTGTATTCTGGGAACCTGGTGCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205535 representing NM_024489
Red=Cloning site Green=Tags(s)

MGPGRRGNGIGGPGAPRLGGLRRGGRRGGRQGVAAPLGHGRPRLAGRRRGGPPASGKEPSDSGLPRGRRR
GSRQQWQQSRPPGDLGVAPQAFQWARAGGRGSGAGRAGGEGVDAGRGVPELQHRGGGGEPGRWQWGGRRQ
RSSSRRSGGEGGEEAEGSGVGAGEGETVQHFPLARPKSLMQKLQCSFQTSWLKDFPWLRYSNDTGLMFCG
WCQTTPEDVGSVDLPQVGHDELSRGTRNYKKTLLLRHHVSTEHKLHEANAQVLGSQACVTVDGSAVDKPD
ASEGCLLVGNESEIPSEEGYCDFNSRPNENSYCYQLLRQLDEQRKKDILCDVSIVVSGKIFKAHKNILVA
GSRFFKTLYCVSNKESPNQNNTTHLDIAAVQGFSVILDFLYSGNLVLTSQNAIEVMTVASYLQMSEVVQT
CRNFIKDALNISIKSEAPESVVVDYNNRKPVSRDGLTSSRDQKIASFWATRNLTNLASNIKIENDGCNVD
EGQIENYQMNDSNWVQDGSPELAENESQGKTKVFIWNNMASQETGKARRKNQTTKRFVYNIPPNSETIVE
DCSVLQPPVAYPEENKALLIKEEPVSDLDGALLSGPDGDRTMNTNLLAEACSSQDAGDAAGASHDFKYGL
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RRTLKRHLLIHSGVRSFKCEICGKMFTRREHVKRHSLVHKKDKKYKCMVCKKIFMLAASVGIKHGSRRYG
VCMDCVDKSQPGGQESIDQGQDTEFPRDEEYEENEGVEPDEELAEDGQDQSDAPRWDEPGGAYVSG

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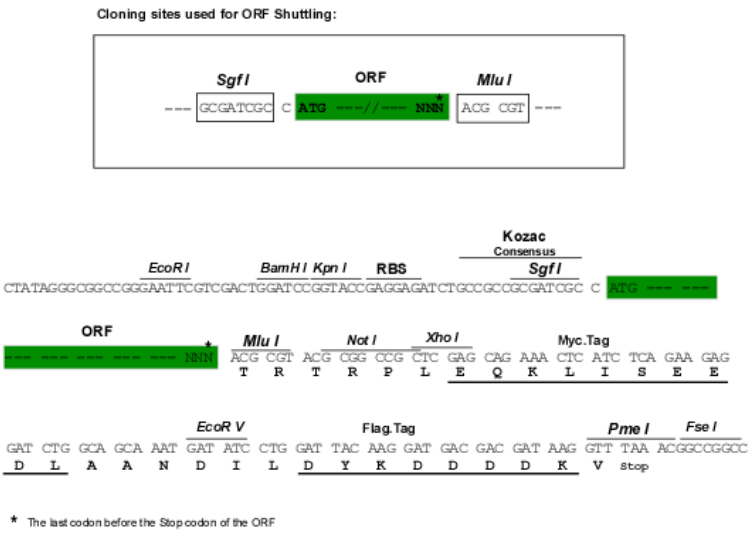
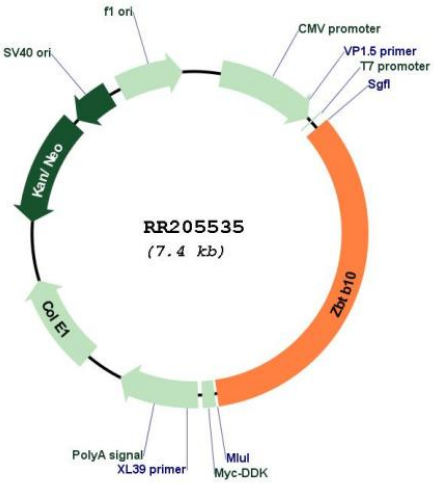
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_024489
ORF Size:	2508 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_024489.1, NP_077815.1
RefSeq Size:	3849 bp
RefSeq ORF:	2511 bp
Locus ID:	80338
UniProt ID:	Q9WTY8

Cytogenetics:	2q23
MW:	91.7 kDa
Gene Summary:	binds the gastrin CACC cis-regulatory element; may block Sp1 transactivation of gastrin gene expression [RGD, Feb 2006]