

Product datasheet for **RR208746**

Bcl10 (NM_031328) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Bcl10 (NM_031328) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Bcl10
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208746 representing NM_031328
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGAGGCTCCCGCCGCTCTCACGGAGGAGGACTTAACTGAAGTGAAGAAGGACGCTTTAGAGAATT
 TGCGAGTTTACCTGTGTGAGAAAATCATAGCTGAGAGACATTTTGATCATCTACGAGCAAAAAAATTTCT
 AAGTAGAGAAGACACAGAAGAAATTTCTGCCGAACCTCAAGTAGAAAAAGGGCTGGGAAGTTGTTAGAC
 TACTTACAGGAAAACCCCAAGGGACTGGACACCCTTGTGGAATCCATTTCGAGGGAGAAAACACAGAACT
 TCCTGATTCAGAAGATAACGGATGAGGTGCTAAAGCTTCGGAATATAAACTGGAGCACCTCAAAGGCC
 GAAGTGCAGTAGCTGTGAGCCCTTCGCAGCTGGAGCCACCAACAACCTTCTAGGTCCAATTCTGATGAG
 AGCAACTTCTCCGAGAAACAGAGACCATCCACGGTCATCTACCATCCAGAGGGAGAGTCGAGCACTGCTC
 CCTTCTTCTACCGAGTCATCCCTGAATCTGCCGGTCTGGAAGTTGGCAGGCTGGAAAACAGCAGCTT
 CTCTTACGCTCGCTTCTCGGCCTGGGACCTGGGGCCCCCTTTGCCCCAGACCTGCGGTTAGAA
 GAGGGGGGAGTTGTGAAACTCAAGTGAAGTGTCTCCCTTACGGTCACGGGCTCTTTCACGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR208746 representing NM_031328
Red=Cloning site Green=Tags(s)

MEAPAPSLTEEDL TEVKKDALENLRVYLCEKIIAERHFDHLRAKKILSREDTEEISCRSSRKRAGKLLD
 YLQENPKGLDTLVESIRREKTQNFLLIQITDEVLKLRLNIKLEHLKGLKCSSEPF AAGATNNLSRSNSDE
 SNFSEKQRPSTVIYHPEGESSTAPFFSTESSLNLPVLEVGRLNSSFSSASLPRPGDPGAPPLPDLRLE
 EGGSCGNSSEMFLPLRSRALSQ

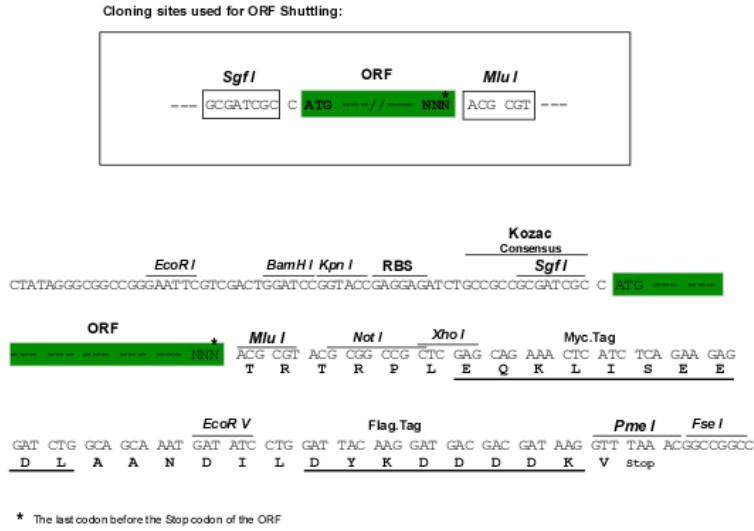
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



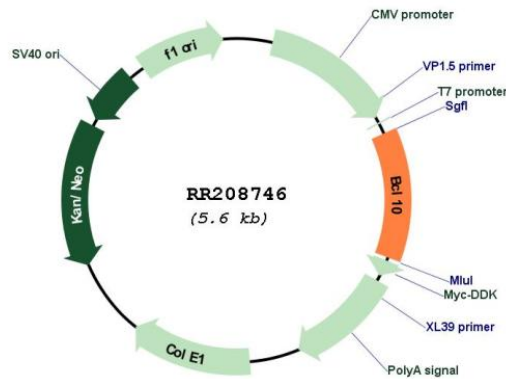
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031328

ORF Size: 699 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:	<u>NM_031328.1, NP_112618.1</u>
RefSeq Size:	1668 bp
RefSeq ORF:	702 bp
Locus ID:	83477
UniProt ID:	<u>Q9QYN5</u>
Cytogenetics:	2q44
MW:	26 kDa
Gene Summary:	Involved in adaptive immune response. Promotes apoptosis, pro-caspase-9 maturation and activation of NF-kappa-B via NIK and IKK. May be an adapter protein between upstream TNFR1-TRADD-RIP complex and the downstream NIK-IKK-IKAP complex. Is a substrate for MALT1.[UniProtKB/Swiss-Prot Function]