

Product datasheet for **RR201926**

Blzf1 (NM_001017494) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Blzf1 (NM_001017494) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Blzf1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201926 representing NM_001017494
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGAAAAATGACTACTCTTAAAAGTTTTGAAAGCAAAGGCATCCTTACTTCGACCCCAATCCGAGGAG
CAGGAGATGGAATGGAACAGAGGAGCCCCCTAAGTCTGTTGAAGTCACCCATGGAGTCCAACCCATAAA
TCAGCATGTCCTTCCAAGTCCACGTAAGAAAGTCCCCTCAGACAGCCAGGTGTTCTTCAGTGGGGAAG
ATTCTTAATGAAAAACAGTGGAAAGTCAAGCTGTCAGAATATTTGTTCCCAAAGCTGCTATCACTCAGC
ACATCCCCACCAAGAGTCAAAAGTTAAGTCCCTAGGACATCACAGAGAAGAGCTCCACAATCAATCAGA
GGTGGTCACAGACCCAAGGAAGGAAGTCTCAGAGGTCAAGAAGTTTTGGAAAAGCTCAAGAATTCTGAA
AGGAGGCTACTTCAGGACAAAGAAGTCTTTCAAATCAGCTCCGAGTACAGACAGAGGTAATCGTGAGT
TAAAAAAGTTGCTTGTGGCTTCTGTTGGGGATGACCCACAGTATCACTTTGAACGCTAGCCCGGGAGAA
AAACCAGCTCATCTTAGAAAATGAAGCACTCGGTGGAACACAGCCAGCTCTGAAACAGCTGGAACGG
ATGTCAATACAGTGCATGTTGGAGAAGTAAATTCCTTGCAAGCAGGGTATGGCAGATGAATTAACAA
ACTTCAGAGTAGTCTACAGCATCAGAACCAGATGCCAGAGCGCTATCCAGGATCTCCTGAGTGAAG
AGAACAGTTCCTGAGGAAATGATCTCCACCCAGAAATTTTGGAAAGAACTCTTGGTCTCCTTACAGTGG
GGGAGAGAACAGACATACTCCCCTAACACACAGCCCCACAGCACGGCAGACCTAGCACTCACAAACCACA
GGCTGGCAGAGGCGGTGCACGCTCATCTGCTGGGAAACGTTGGCATCAGCCATCCGAAGAGGACTCCAGC
AACAGCAGAAGTCTGCAGTACCCAGCTGAGAAGATGGCTGAAAAGGTTCTGCGGATTTTGGATCCAGTT
GCCTGTACAGAAAGCTCTCCGGACAATGCATTTGCCGAATCCACATTACTACTACAAAGAAAAATTTG
GACGTTTCCATCCCTATACCAGATGAAAATATAACTTTCAATTGCTGCAGTCACTGCCAGGGGGAGCT
CCTTGCTCTCCCTTGCTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201926 representing NM_001017494
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MEKMTTLKSFESKGILTSTPIRGAGDGMETEPPKSVVEVTHGVQPINQHVLPSPRKKVPSDSPGVLQLGK
 ILNEKTVEVEAVRIFVPKAAITHDIPTKSAKVKSLGHHREELHNQSEVVTDPKELSEVKKVLEKLNSE
 RRLLDQKEGLSNQLRVQTEVNRELKLLVASVGDDPQYHFERLAREKNQLILENEALGRNTAQLSEQLER
 MSIQCDVWRSKFLASRVMADEL TNFRVVLQHQRDAQSAIQDLLSEREQFRQEMISTQKFLEELLVSLQW
 GREQTYSPNTQPHSTADLALTNHRLAEAVHAHLGNVGI SHPKRTPATAEVCSTPAEKMAEKVLRILDPV
 ACTESSPDNAFAESTLLTTKKNIGRFHPYTRYENITFNCCSHCQGELLALPCS

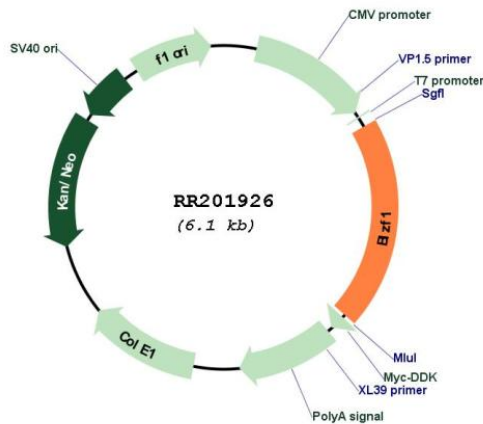
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001017494

ORF Size:	1200 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:	NM_001017494.1 , NP_001017494.1
RefSeq Size:	2206 bp
RefSeq ORF:	1203 bp
Locus ID:	498266
UniProt ID:	Q6AYB8
Cytogenetics:	13q23
MW:	45.1 kDa
Gene Summary:	Required for normal Golgi structure and for protein transport from the endoplasmic reticulum (ER) through the Golgi apparatus to the cell surface.[UniProtKB/Swiss-Prot Function]