

Product datasheet for **MG206332**

Blzf1 (BC027025) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Blzf1 (BC027025) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Blzf1
Synonyms:	Blzf1l, Jem-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206332 representing BC027025 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAAAAATGACTACCCTTAAAAGTTCGGAAAACAAAGGCATCCTTACTTCGACCCCAATCCGAGGAG
CAGGAGATGGAATGAAACGGAGGAGCCCCCTAAGTCTGTTGAAGTCACCCACGGAGTCCAACCCATAAA
TCAACATGTCCTTCCAAGTCCACGGAAGAAAGTGTCTCAGACAGCCCGGGCTTCTTCAGCTGGGGAAG
ATTCCTTAATGAAAGAACAGTGAAGTTGAAGCTGTGAGAAATTTGTTCCCAAAGCTGCTATCACTCAGC
ACATCCCCACCAAGAACACAAAGTTAAGTCCCTAGGACATCACAGAGAAGAACTCCACAATCAGGCAGA
AGTGGTCACAGACCCAAGGAAGGAACTCTCAGAGGTAAAGAAGGTTTTGGAAAAGCTCAAGAATTCTGAA
AGGAGGCTACTTCAGGACAAAGAAGGCCTTTCCAATCAGCTCCGAGTACAGACAGAGATAAATCGTGAGT
TAAAGAAGTTACTCGTGGCTTCTGTTGGGGATGACCCGCAGTATCACTTTGAACGCTTAGCCCGGGAGAA
GAACCAGCTCATCTTAGAAAAATGAAGCACTAGGTGCGAACACAGCCAGCTTTCTGAACAGCTGGAACGG
ATGTCAATACAGTGCATGTCTGGAGAAGTAAATTCCTTGCAAGCAGGGTAATGGCAGATGAGTTAACAA
ACTTCAGAGTGGTTTTACAGCGTCAGAACAGAGATGCCAGAGCGCTATCCAGGATCTCCTGAGTGAACG
AGAGCAGTTTCGTCAGGAAATGACCTCTACCCAAAAATTTTTGGAAGAAGCTTTGGTCTCCTTACAGTGG
GGGAGAGAGCAGACATACTCCCCTAACACACAGCCCATAGCACGGCAGACTTAGCACTCACGAACCATG
GACTGGCACAAGCAATACATGCCATCTGTTGGGGAATGTTGGCATTCCGCATCAAAGAAGATTCCAAC
AACAGTCAATTCTGCAGTACCCAGCTGAGAAAAATGGCTGAAAAGGTTCTGCGGAATTTGGATCCAGTT
GCCTGTACAGAGAGCTCTCCGGACAACCAATTTGCTGAATCTTACCAACCACTTACTCACTACAAAGA
AAAATATTGGACGTTTCCATCCCTATACCAGATATGAAAATAACTTTCAATTGCTGCAATCACTGCCA
GGGGGAGCTCATTGCTCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206332 representing BC027025
Red=Cloning site Green=Tags(s)

```
MEKMTTLKSSENKGI L TSTPIRGAGDGMETE E PPKSVEVTHGVQPINQHVLPSPRKKVSSDSPGVLQLGK
ILNERTVEVEAVRIFVPKAAITHDIPTKNTKVKSLGHHREELHNQAEVVDPRKELSEVKKVLEKLNSE
RRL LQDKEGLSNQLRVQTEINRELKLLVASVGDDPQYHFERLAREKNQLILENEALGRNTAQLSEQLER
MSIQCDVWRSKFLASRVMADEL TNFRVVLQRQNRDAQSAIQDLLSEREQFRQEMTSTQKFLEELLVSLQW
GREQTYS PNTQPHSTADLALTNHGLAQAIHAHLLGNVGI R HQK K I PTTVEFCSTPAEKMAEKVLRNLDPV
ACTESSPDNQFAESSPTLLTTKKNIGRFHPYTRYENITFNCCNHCQGELIAL
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC027025

ORF Size: 1211 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: [BC027025](#), [AAH27025](#)

RefSeq Size: 2287 bp

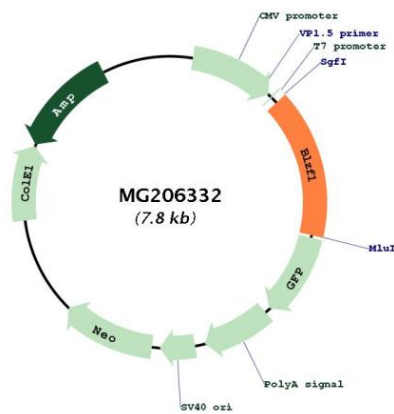
RefSeq ORF: 1211 bp

Locus ID: 66352

Cytogenetics: 1 H2.2

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]

Product images:



Circular map for MG206332