

Product datasheet for **MR221124**

Blzf1 (NM_001160208) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Blzf1 (NM_001160208) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Blzf1
Synonyms:	1700030G05Rik; Blzf1l; Golgin-45; Jem-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221124 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAAATGACTACCCTTAAAAGTTCGGAAAACAAAGGCATCCTTACTTCGACCCCAATCCGAGGAG
CAGGAGATGGAATGAAACGGAGGAGCCCCCTAAGTCTGTTGAAGTCACCCACGGAGTCCAACCCATAAA
TCAACATGTCCTTCCAAGTCCACGGAAGAAAGTGTCTCAGACAGCCCGGGCTTCTTCAGCTGGGGAAG
ATTCCTTAATGAAAGAACAGTGAAGTTGAAGCTGTGAGAAATTTGTTCCCAAAGCTGCTATCACTCAGC
ACATCCCCACCAAGAACACAAAGTTAAGTCCCTAGGACATCACAGAGAAGAACTCCACAATCAGGCAGA
AGTGGTCACAGACCCAAGGAAGGAACTCTCAGAGGTAAAGAAGGTTTTGGAAAAGCTCAAGAATTCTGAA
AGGAGGCTACTTCAGGACAAAGAAGGCCTTTCCAATCAGCTCCGAGTACAGACAGAGATAAATCGTGAGT
TAAAGAAGTTACTCGTGGCTTCTGTTGGGGATGACCCGCAGTATCACTTTGAACGCTAGCCCGGGAGAA
GAACCAGCTCATCTTAGAAAAATGAAGCACTAGGTGCGAACACAGCCAGCTTTCTGAACAGCTGGAACGG
ATGTCAATACAGTGCATGTCTGGAGAAGTAAATTCCTTGCAAGCAGGGTAATGGCAGATGAGTTAAACA
ACTTCAGAGTGGTTTTACAGCGTCAGAACAGAGATGCCAGAGCGCTATCCAGGATCTCCTGAGTGAACG
AGAGCAGTTTCGTCAGGAAATGACCTCTACCCAAAAATTTTTGGAAGAACTCTTGGTCTCCTTACAGTGG
GGGAGAGAGCAGACATACTCCCCTAACACACAGCCCCATAGCACGGCAGACTTAGCACTCACGAACCATG
GACTGGCACAAGCAATACATGCCATCTGTTGGGGAATGTTGGCATTCCGCATCAAAGAAGATTCCAAC
AACAGTCAATTCGAGTACCCAGCTGAGAAAAATGGCTGAAAAGGTTCTGCGGAATTTGGATCCAGTT
GCCTGTACAGAGAGCTCTCCGGACAACCAATTTGCTGAATCTTACCAACCACTTACTCACTACAAAGA
AAAATATTGGACGTTTCCATCCCTATACCAGATATGAAAATAACTTTCAATTGCTGCAATCACTGCCA
GGGGGAGCTCATTGCTCTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221124 protein sequence
 Red=Cloning site Green=Tags(s)

MEKMTTLKSSENKGILTSTPIRGAGDGMETEPPKSVVTHGVQPINQHVLPSPRKKVSSDSPGVLQLGK
 ILNERTVEVEAVRIFVPKAAITHDIPTKNTKVKSLGHHREELHNQAEVVDPRKELSEVKKVLEKLNSE
 RRLQDKEGLSNQLRVQTEINRELKLLVASVGDDPQYHFERLAREKNQLILENEALGRNTAQLSEQLER
 MSIQCDVWRSKFLASRVMADEL TNFRVVLQRQNRDAQSAIQDLLSEREQFRQEMTSTQKFLLELLVSLQW
 GREQTYSPNTQPHSTADLALTNHGLAQAIHAHLLGNVGIHQKIPPTTVEFCSTPAEKMAEKVLRNLDPV
 ACTESSPDNQFAESSPTLLTTKKNIGRFHPYTRYENITFNCCNHCQGELIAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001160208

ORF Size: 1212 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_001160208.1](#), [NP_001153680.1](#)

RefSeq Size: 3927 bp

RefSeq ORF: 1212 bp

Locus ID: 66352

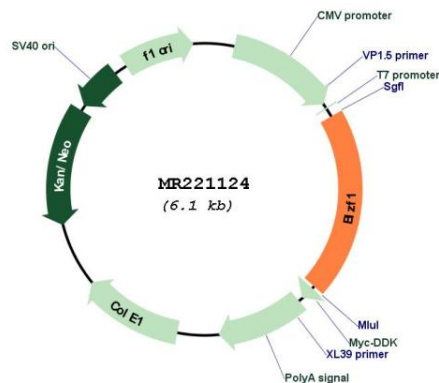
UniProt ID: [Q8R2X8](#)

Cytogenetics: 1 H2.2

MW: 45.6 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]

Product images:



Circular map for MR221124