

## Product datasheet for **RG204706**

### BLZF1 (NM\_003666) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BLZF1 (NM_003666) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BLZF1
Synonyms:	GOLGIN-45; JEM-1; JEM-1s; JEM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204706 representing NM_003666 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACTACTAAAAATTTAGAAACCAAAGTCACCGTTACTTCATCCCCAATCCGAGGAGCAGGAGATGGAA  
TGGAAACTGAGGAACCACTAAATCTGTTGAAGTTACCTCCGAGTCCAATCTAGAAAGCATCATAGTCT  
TCAGAGTCCATGGAAGAAAGCAGTTCATCAGAGAGCCCAGGAGTTCTTCAGCTAGGGAAAATGCTCACT  
GAAAAAGCAATGGAAGTTAAAGCTGTAAGAATATTAGTCCCAAAGCTGTATAACTCATGATATCCCCA  
ACAAAAATACAAAGGTTAAGTCTCTGGGACATCATAAAGGAGAATTCCTTGGTCAGTCAGAGGGAGTTAT  
AGAACCTAATAAGGAACCTCTCAGAGGTAAGAATGTATTGGAAAAGCTCAAGAATTCGAAAAGAGTTA  
CTACAGGACAAAGAGGTCCTTCAAACAGCTCCGTGTACAGACAGAGGTAATCGTGAGTTAAAAAAGT  
TACTGGTGGCTTCTGTTGGGGATGATCTTCAGTATCACTTTGAACGTCTAGCCCGTGAGAAAAATCAGCT  
TATTTTAGAAAAATGAAGCCCTAGGTCGAAACACAGCTCAGCTTTCTGAACAGTTAGAAGTATGTCAATA  
CAGTGTGATGTATGGCGAAGTAAATTCCTTGCAAGCAGGGTAATGGCAGATGAGTTAACCAACTCAAGAG  
CAGCTTACAGCGTCAAACCGTGATGCACACGGGGCTATACAAGATCTCCTAAGTGAACGGGAACAGTT  
TCGTCAAGAAATGATAGCTACCCAGAAATATTGGAGGAGCTCTAGTTTCCCTTGAATGGGGAAGAGAG  
CAAACCTTACTCCCCTAGTGTACAACCCACAGCACAGCAGAGCTAGCATTAAACAAATCACAAGTTGGCAA  
AAGCAGTAAATTCATCTTCTGGGAAATGTTGGCATTAAACAATCAAAAAAAGATTCCATCAACAGTTGA  
ATTCTGCAGCACCCAGCTGAGAAAATGGCTGAAACGGTTCTAAGAATTTTAGATCCAGTTACCTGCAAA  
GAGAGTTCACCTGATAATCCATTTTTGAGTCTTCACCAACCACCTTACTTGCTACAAAGAAAAATATTG  
GACGATTCATCCCTATACTAGATATGAAAATATAACTTTCAATTGCTGCAATCACTGCCGGGAGAACT  
GATTGCCCTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG204706 representing NM\_003666  
Red=Cloning site Green=Tags(s)

MTTKNLETKVTVTSSPIRGAGDGMETEPPKSVEVTSGVQSRKHHSLSQSPWKAVPSESPGVLQLGKMLT  
 EKAMEVKAVRILVPKAAITHDIPNKNTKVKSLGHHKGEFLGQSEGVIEPNKELSEVKNVLEKLNSEERRL  
 LQDKEGLSNQLRVQTEVNRELKLLVASVGDDLQYHFERLAREKNQLILENEALGRNTAQLSEQLERMSI  
 QCDVWRSKFLASRVMADEL TNSRAALQRQNRDAHGAIQDLLSEREQFRQEMIAATQKLEELLVSLQWGRE  
 QTYSPSVQPHSTAEALALTNHKLAKAVNSHLLGNVGINNQKKIPSTVEFCSTPAEKMAETVLRILDPTCK  
 ESSPDNPFESSPTLLLATKKNIGRFHPYTRYENITFNCCNHCRCGELIAL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_003666

**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:**

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\\_003666.3](#)

**RefSeq Size:** 2344 bp

**RefSeq ORF:** 1203 bp

**Locus ID:** 8548

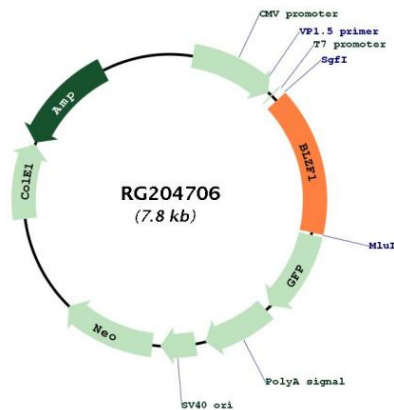
**UniProt ID:** [Q9H2G9](#)

**Cytogenetics:** 1q24.2

**Protein Families:** Transcription Factors

**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 RG204706