

Product datasheet for **RG220298**

BS69 (ZMYND11) (NM_006624) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BS69 (ZMYND11) (NM_006624) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZMYND11
Synonyms:	BRAM1; BS69; MRD30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG220298 representing NM_006624
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCACGTTTAAACAAAAGACGACAGGCGGATACAAAAGCTATCCAGCATCTTTGGGCAGCCATTGAGA
 TTATACGGAACCAAGCAGATTGCCAACATTGACCGTATTACAAAGTATATGTCTCGAGTCCACGGTAT
 GCACCCTAAAGAGACCACCCGTCAGCTGAGCTTAGCTGTGAAAGATGGTCTTATTGTGAAAACCTAAACA
 GTGGGCTGCAAAGGTTCAAAGCTGGTATTGAACAAGAAGGATATTGGTTGCCAGGAGATGAGATTGACT
 GGGAAACAGAAAATCATGACTGGTATTGTTTGAATGCCATTTGCCTGGAGAGGTGTGATATGTGACCT
 GTGTTTTCTGTGTATCATTCCAAGTGTCTGTGATGAGTTCAGGCTTAGAGACAGCAGTAGTCCCTGG
 CAGTGCCAGTTTGCAGGAGCATTAGAAGAAGAATAACAACAACAGGAGATGGGCACATACCTCAGAT
 TCATTGTCTCCCGCATGAAGGAGAGGGCTATAGATCTTAATAAAAAGGGGAAGACAATAAACCCCGAT
 GTACAGGAGGCTGGTGCCTCAGCTGTGGACGTTCCACCATTCAAGAGAAAGTGAATGAAGGGAAATAC
 CGAAGTTATGAAGAGTTCAAAGCTGATGCCAATTGCTTCTCCACAATACCGTGATTTTCTATGGAGCAG
 ACAGTGAGCAAGCTGACATTGCGAGGATGCTATATAAAGACACATGTCATGAGCTGGATGAACTGCAGCT
 TTGCAAGAATTGCTTTTACTTGTCAAATGCTCGTCTGACAACCTGGTCTGTATCCTTGTATACCTAAT
 CATGAGCTGGTTTGGGCTAAAATGAAAGTTTTGGGTTTTGGCCAGCCAAAGTCAATGCAGAAAGAAGACA
 ATCAAGTCGACGTTTCGCTTCTTTGGCCACCACCAGAGGGCCTGGATTCTTCTGAAAACATTCAAGA
 TATCACAGTCAACATTCATCGGCTGCACGTGAAGCGCAGTATGGGTTGGAAAAAGGCTGTGATGAGCTG
 GAGCTGCATCAGCGTTTCTACGAGAAGGAGATTTTGGAAATCTAAGAATGAGGACCGAGGTGAGGAAG
 AGGAGAATCCAGTATCTCTCCACCAGTAATGAGCAGCTAAAGGTCACCTCAAGAACAAGAGCAAGAA
 AGGACGACGTAATCAAAGTGTGGAGCCCAAAAAGGAAGAACCAGAGCCTGAAACAGAAGCAGTAAGTTCT
 AGCCAGGAAATACCCACGATGCCTCAGCCATCGAAAAAGTCTCCGTGTCAACTCAGACAAAAGAAGTTAA
 GTGCCTCTTACCAAGAATGCTGCATCGGAGCACCAGACCACAAACGACGGCGTGTGTCAGAGCATGTG
 CCATGACAAATACACCAAGATCTTCAATGACTTCAAAGACCGGATGAAGTCGGACCACAAGCGGGAGACA
 GAGCGTGTGTCGAGAAGCTCTGGAGAAGCTGCGTTCTGAAATGGAAGAAGAAAAGAGACAAGCTGTA
 AATAAGCTGTAGCCAACATGCAGGGTGAAGTGGACAGAAAATGTAAGCAAGTAAAGGAAAAGTGAAGGA
 AGAATTTGTAGAAGAAATCAAGAAGCTGGCAACACAGCACAAGCAACTGATTTCTCAGCCAAGAAGAAG
 CAGTGGTGTACAACGTGAGGAGGAGGCCATGTACCCTGCTGTGGAACACATCTACTGCTCCATCA
 AGTGCCAGCAGGAGCACTGGCACGCGGAGCACAAGCGCACCTGCCCGGAAAAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG220298 representing NM_006624
 Red=Cloning site Green=Tags(s)

MARLTKRRQADTKAIQHLWAAIEIIRNQKQIANIDRITKYMSRVHGMHPKETTRQLSLAVKDGLIVETLT
 VGCKGSKAGIEQEGYWLPGDEIDWETENHDWYCFECHLPGEVLICDLCFRVYHSKCLSDEFRLRDS SSPW
 QCPVCRSIIKKNTNKQEMGYLRFIVSRMKERAIDLNKKGKDNKHPMYRRLVHSAVDVPTIQEKVNEGKY
 RSYEEFKADAQLLLHNTVIFYGADSEQADIARMLYKDTCHELDELQLCKNCFYLSNARPDNWFYCPCIPN
 HELVWAKMKGFWFPAKVMQEDNQVDVRFVGHHRQRAWIPSENIQDITVNIHRLHVKRSMGWKKACDEL
 ELHQRFLEGRFWKSKNEDRGEAAESSISSTSNEQLKVTQEPRAKKGRNRQSVPEPKKEPEPEAVSS
 SQEIPMPQPIEKVSVSTQTKKLSASSPRMLHRSTQTTNDGVCQSMCHDKYTKIFNDFKDRMKSDHKRET
 ERVVREALEKLRSEMEEEKRQAVNKAVANMQGEMDRKCKQVKEKKEEFVEEIKKLATQHKQLISQTKKK
 QWCYNCEEEAMYHCCWNTSYCSIKCQEHWAHEHKRTCRRKR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_006624.7
RefSeq Size:	4336 bp
RefSeq ORF:	1809 bp
Locus ID:	10771
UniProt ID:	Q15326
Cytogenetics:	10p15.3
Domains:	PWWP, BROMO, PHD, zf-MYND
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The protein encoded by this gene was first identified by its ability to bind the adenovirus E1A protein. The protein localizes to the nucleus. It functions as a transcriptional repressor, and expression of E1A inhibits this repression. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]