

Product datasheet for **MR223684**

Baz1a (NM_013815) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Baz1a (NM_013815) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Baz1a
Synonyms:	Acf1; B930060C03; BC065123; cbp146; Gtl5; Wcrf180
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR223684 representing NM_013815 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGCTGCTTACCGAAAGCCTTTCGTGAGGCAGAAGCCGCCGGGGACCTGCGGCCGGACGAGGAAG
TTTTCTACTGTAAGTCACCAACGAGATCTTCCGCCACTACGATGACTTTTTTGAACGAACCATTCTGTG
CAACAGCCTTGTGTGGAGCTGTGCCGTGACGGGTAGACCTGGACTGACGTATCAGGAAGCTTTGAATCC
GAAAGAAAAGCAAGACAGAACCTCCAGAGTTTTCCAGAACCCTAATTATCCCGTTTTATACCTGACCA
ACCTTACTCGTCTTACGCTTGCATGAAATCTGTGATGATATCTTGCCTATGTCAAGGACCGATATTT
TGTTGAAGAGACTGTGGAAGTCATTTCGGAACAATGGCACAAGGCTGCAGTGTAGAATCTTGGAAAGTCCCTC
CCTCCATTACATCAGAATGGTTTTGCTAACGGACACCTGAGCAGTGTGATGGAGAGACGATTGTCATCA
GCGACAGTGACGACTCGGAAACACAAAGCAGCTTTTTACCATGGGAAGAAGAAAGATGCAATCGATCC
CTTATTATTCAGATACAGGGTTCAGCCCACTAAAAAGGAGATGTATGAGTCTGCTGTTGTTAAAGCAACA
CAAATCAGCCGGAGAAAACATCTATTTTCTCGTGATAAACTAAAGCTTTTTCTCAAGCAACACTGTGAAG
CACAAGATGGAGTCATTAATAAAGGCATCATTTTTTCAGCATATAACATAGCAGAGCAGGACTCTCC
TTATTTCTTCCCTGATGACCCACCTACTTTCATCTTCAGTCTGCTAACAGGCGACGAGGAAAGACCTCCC
AAACGAATATCTTTTGGTCAGGAAGACAGCATTGCTAGTAAGCAGACTGCTGCAAGATATCGGAACAAAG
CTATTAAGAAAGAGACAACTTCTGAAACAGGAAGAAATGAGGGCACTGGCTTTTCGAAAAGGCTAAACT
AAAACGAGAAAGAGCGGATGCTTTGGAAGCAAGAAAAAGAAAAAGGAGGATAAAGAGAAAAAAGGGAG
GAACTGAAGAAAATGGTAGAGGAAGAGCGACTAAAGAAAAAGAAAAAGAGAGACTTAAAATAGAAA
GAGAAAAGGAAAGAGAAAAATTACGTGAAGAAAAGCGAAAATATATGGAATACTTAAAGCAGTGGAGTAA
ACCCAGAGAAGATATGGAATGTGATGACCTTAAGGAATCCAGAGCCCACGCCAGTAAAAGTACTGACTC
CCTCCTGAAGTCTTCGGGATGCGCTGATGTTTCTGGAGTTCCTTAATGCATTTGGGAACTTTTTGACC
TTCAAGATGAGTTTCTGAGGGAGTAACCTTAGAAGTGTAGAGGAAGCTTGTAGGAAATGACAGTGA
AGGCCCACTGTGTGAATTGCTTTTTTCTTCTGACTGCAATCTTCCAGGCGATGGCTGAAGAAGAGGAG
GAAGTAGCCAAAGAGCAGATAACTGATGCTGACACCAAGATCTAACAGAGGCTTTGGATGAGGACGCAG



[View online »](#)

ACCCACAAAATCTGCACTGTCTGCAGTTGCAGCCTTGGCCGCTGCATGGCCACAGTTACACCAGGGCTG
CAGTTTAAAAAGCTTGGATCTTGATAGCTGCACCTTTCTGAAATCCTCAGACTGCACATCTTAGCCTCA
GGTGCTGATGTGACATCAGCAATGCAAAGTACAGGTATCAGAAAACGAGGAGGATTTCGACGCTACGGACG
ATGCTGCATGGAGCTTCGGCTGAGCAATCCCAGTCTGGTGAATAATTTCCAGCACTTCTGTATATGA
TTTGACACCAGGAGAAAAATGAAGATACTCCATGCTCTCTGTGGGAAGCTACTGACCCTAGTTTCTACT
AGGGATTTCAATGAAGATTATGTTGATGTGTTGCCAGAGCCAAGCAGGAGTTCGAGAGCTCAAAGCAG
AACAGCACCGTAAAGAGAGAGAAGCCACAGCTGCTCGAATACGTAGAAGGAAGGAAGAAAACTTAAGGA
ACAAGAACAGAAAAATGAAAGAGAAAAACAAGAAAACTGAAGGAGGACGAGCAGAGAAAAATTCAGTGCAGTT
CCAGGGGAAGAAGAAAGGAAGATTTTGATACTAGTACTGAGAACAAAAACATAGAGCAGAAAGTCTGG
ACCCTGATGTGGTTACTGAAGATGAAGATGACCCCGGATCGCATAAAAGGAGCAGAAGAGGGAAAGTGGG
ACAAACTGCAGTTAAGCAATGTATAAAGCAAGAAGAGATGAACTACTGTATAAAGCAGGAGCCTCTGAGT
GCCGACGAGAGGAAAGCTTTGAGGCAGGAGCAGCAGCAGAAAGAGAAAGAACTCTAGACAAGATTGAGA
GTGCCATCGCTGTACTAACATCTTCCCTCTGGGGCGCAGCCGCTGTACAGGCGCTACTGGATCTTTCC
TTCCATTCTGGTCTGTTTATAGAAGAGGATTATTCAGGTCTTACTGAAGACATGTTGCTGCCTAGGCCCT
TCATCATTTACAAATAACGCACAGCCTCGCGATCCTCAGGTATCTATTAATAACTGAAGAGTCTTCTCTGT
CTGAATCTACCTCCAGCCTCGACCAAGTCCGTTTCGATGACTCTGTGCTGCTGCCAAAACCGGTGCATAA
GCCAAATCGGTGGTGTCTTTACAGTTCTTGTGCACAGCTGGACCAGCTCATTGACGCTCTCAACTCCAGA
GGACACCAGAAAAGCGCCTTGAAGAGACCTTGTACAGGAGAAGAGCAGAATATGCGCACAGCTTGCC
ACTTCTCTGAAGAGAAAATTCATTTTTTCAGACAAACCTCAGGCTGATAGCAAGCCTGTGTCTTCTCGGG
ACGATCTTCTGGTGCATGTGACATATCCAGATGTCTGCAGAGAGGCAGCTGGAGCTGAGGCTCAGAGAC
TTTCTCTTGATATTGAGGACAGAATCTATCAAGGGACACTAGGAGCCATCAAGGTTACAGACCGACAGG
TCTGGAGATCAGCCCTGGAGAATGGGCGATACGAGCTGTTAAGTGAGGAGAGCAAGGAAAATGGAGTGT
TAAAATGTGAATGAGGATGTGGAAGAGATGGAATGGAACAAGCAAGGGTCAATAGTAAAGAGCAGACTT
TTGGGGATTAAAACCGAACTCCAAGTACCATCTCAACCAGTGCCAGTACACCACAGTCACTGAGCAATG
TGTTTATTATCTGGCCCTGGCCCTCTTTCAGATAGAACAGGGCATTGAACGGCCTTTCTCAAAGCTCC
CCTTGATGGCAATGACAGCGGACGTTTATAAAAACCGTCTGGACCGTTGGAGGGAGTCTCTCCTTTCC
TCTGCTAGTCTTTCCCAAGTGTTTCTGCATTTATCAACCTTGGATCGCAGTGTGATGTGGTCTAAGTCCA
TACTGAACGCACGTTGCAAGATCTGCCGAAAAAGGGGGATGCTGAAAACATGGTGTGTGTGACGGCTG
CGACCGAGGGCATCACACTACTGCGTCCGACCAAGCTCAAGGCTGTTCTCTGATGGAGACTGGTTTTGT
CCAGAATGTGACCAAGCAACGTTCTAGAAGACTTTCTCTAGGCAGAGACCATCCTTGGAAAGTGATG
AAGAAATGGAAGAGGGTATGGAAGATGATGATGATGAAGTTGACGATGATGATGAAGAGGGTCAAAGTGA
GGAGGAAGAATATGAGGTGGAGCAAGATGAGGAGGACTCTGACGACGACGAAGCGCTCAGCCACCAAAA
CGAGGAAGACCCCAAGTTAGATTGCAATTAATAAAAAGGGGAGATTTGGCCCTTCTTTCCCAAGTCGCA
GCCAACGACAAGACCCTGGAAGATACCCTCAAGGAGCCAGCAGAGCACGCCCAAAAACTGCTAAATC
TGCTAGCAAAAACCTGAGGAAAAACAAGATCTGCTCCTCCACAGAAAACCTCGATCCCTAAGAGTTGGTAGT
CGCTCCACTCGCCACAGTCCGAGTGCAGTCAAGATGTGTTTGTGGAAGTCTTAGTCTCACAGCAAAAC
GCAGAGGACGGAAGGGTGTGATCATACCCAGAGCACAGTCCCAGCTTCACTCACTTCAAGGCTCAGCAC
CTCGAGATCAAGCAGGCAGTTGATTCCTTTAAATACTGCTGAAAGTCTCTCTCCAGCATAGTGAATCT
AAGAGAAGAGGCAGGAAAAAGACAATCTACAGAGTCACTCTGTACCAGTGAATCGAAGAAGTTCTGGCA
GGCAAGGAGGTGCCATGAACTGTCTGCTTTTGAACAACCTGTGCTGGAAGTGGTACGGCATGATGATAG
CTGGCCCTTTTTGAAACTGGTTTCTAAAATCCAGGTCCAGACTACTATGACATCATTAAGAAGCCATT
GCCTTAAATATAATTCGAGAAAAAGTAAATAAATGTGAATATAAATAGCATCTGAGTTTATTGATGATA
TTGAGTTAATGTTTTCAAAGTCTTTGAAATACAACCTCGGAACACAAGTGAAGCAAAAGCTGGAAGTCTG
GCTTCAAGCATTTTTTCAATTCAGCTCAAAGCTTGGACTCCAGTCTCACCCAGTACTGTGGACCAG
GTTAGCACGCCACTAGCTGCAAAGAAGTCACGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223684 representing NM_013815
 Red=Cloning site Green=Tags(s)

MPLLHRKPFVRQKPPGDLRPDEEVFYCKVTNEIFRHYDDFFERTILCNLSLVSCAVTGRPGLTYQEALLES
 ERKARQNLQSFPEPLIIPVLYLNLTRRSRLHEICDDIFAYVKDRYFVEETVEVIRNNGTRLQCRILEVL
 PPLHQNGFANGHLSSADGETIVISDSDSETQSSSFHHGKKKDAIDPLLFRYRVQPTKKEMYESAVVKAT
 QISRRKHLF SRDKLKLFLKQHC EAQDGVIKIKASSFSAYNIAEQDFSYFFPDDPPTFFIFSPANRRRGRPP
 KRISFGQEDSIASKQTAARYRNKAIKERDKLLKQEEMRALAFEKAKLKRERADALEARKREKEDKKEKRE
 ELKMMVEEERLKKKEEKERLKI EREKEREKLEEKRYMEYLKQWSPREDMECDLDELPEPTPVKTRL
 PPEVFGDALMVLEFLNAFGELFDLQDEFPEGVTLEVEEALVGNDEGPLCELLFFFLTAIFQAMAEES
 EVAKEQITDADTKDLTEALDEDADPTKSALSAVAALAAAWPQLHQGCSLKSLLDSDCTLSEILRLHILAS
 GADVTSANAKYRYQKRGGFADDDACMELRLSNPSLVKLSSTSVYDLTPGKMKILHALCGKLLTLVST
 RDFIEDYVDVLRQAKQEFRELKAEQHRKEREATAARIRRRKEEKLEQEQKMKKEQEKLEDEQRNSAAV
 PGEEREDFDTSTENKNI EQKLDLDPDVTEDEDDPGSHKRSRRGKVGQTAVKQC IKQEEMNYCIKQEPLS
 ADAEEALRQEQQKEKELLDKIQSAIACNIFPLGRDRLYRRYWI FSPISPLFIEEDYSGLTEDMLLPRP
 SSFHNNAPRDPQVSIKTEESFLSESTSSLDQGPFDSSVLLPKPVHKPNRWCFYSSCAQLDQLIDALNSR
 GHRESALKETLLQEKSRICAQLAHFSEEKHFHSDKPQADSKPVSSRGRSSGACDISQMSAERQLELRLRD
 FLLDIEDRIYQGTLGAIKVTRQVWRSALENGRYELLSEESKENGVIKTVNEDVEEMEMEQARVIVRDL
 LGIKTETPSTISTASTPQSVSNVHYLALALFQIEQGIERRFLKAPLDGNDSGRSYKTVLDRWRESLLS
 SASLSQVFLHLSTLDRSVMWKSILNARCKICRKKGDAENMVLCDGCDRGHHTYCVRPKLVKAVPDGDWFC
 PECPKQSRRLSSRQRP SLESDEEMEEGMEDDDDEVDDEEGQSEEEYEVEQDEEDSDDEALSPPK
 RGRPQVRLPIKTKGRFGSPFSRSRQDPGRYPSRSQSTPKNTAKSASKNLKTR SAPPTETRSRLVGS
 RSTRHSPSALQDVVELLSPHSKRRGRKGADHTPEHSPFTNFRVSTSRSRQLIPLNTAESLQHSSES
 KRRGRKQSTESSPVLNRRSSGRQGGVHELSAFEQLVVELVRHDDSWPFLKLVSKIQVPDYDIKKPI
 ALNIREKVNKCEYKLA SEFIDDIELMFSNCFEYNPRNTSEAKAGTRLQAFFHIQAQKLGHVSPSTVDQ
 VSTPLAAKKSRI

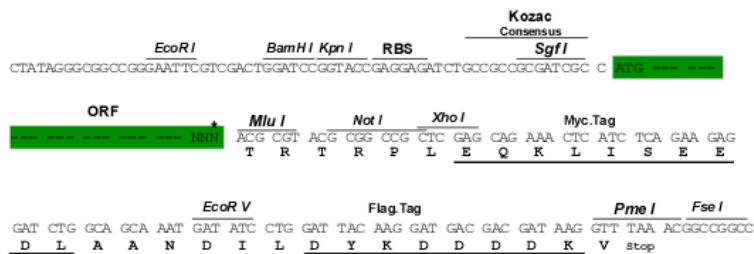
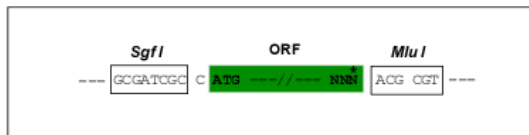
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

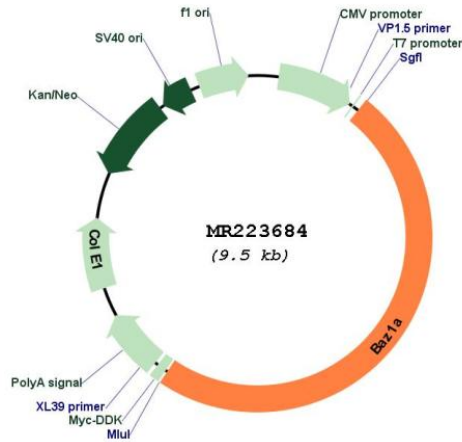
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_013815

ORF Size: 4656 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_013815.2](#), [NP_038843.2](#)
RefSeq Size: 6179 bp
RefSeq ORF: 4659 bp
Locus ID: 217578
Cytogenetics: 12 C1
MW: 178.6 kDa