

Product datasheet for MR225373

Baz2a (NM_054078) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Baz2a (NM_054078) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Baz2a
Synonyms:	AA415431; C030005G16Rik; C78388; mKIAA0314; Tip5; Walp3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225373 representing NM_054078 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCAAACGACCATTTTAACTTTACTGGCCTTCCTCCTGCACCAGCTGCCTCAGGACTGAAACCTT
CTCCTTCTCGGGGAGGGCCTCTACACTAACGGGTCTCCATGAACTTCCCCAGCAAGGAAAAGTTT
GAATGGGATGTGAATGTTAATGGCTTATCTACTGTATCTCACACTACTTTCAGGGATTTTGAAGTCT
GCTCCCACTCCTCTAGCACCTCACACCTCCATCACCTAACGTGGCCTACGACTGTCTTTGGAAGTACT
CACAGTACCCATCTGCCAATCTGGCAACAACCTCAAGGACCCACCCCTTCTTTCTCAGTCCCTGGGG
ACAATACCCGCTCAACGGTATCCTTGGGGCAACCGACAACCTTCATCCCAAGTCAACAACATACTT
CGAGCTGGGAGCCAAGAGTTCTGGGCAATGGTACCCAGAGTCCCATGGGGCTTAACTTCGATTCACAGG
AACTGTATGATTCTTTTCTGATCAGAATTTGAGGTGATGCCAATGGACCCCAAGTTTTTACCTC
CCCTCAGACTTCTCCAATGTTGGGTCTAGTATCCAGACCTTTCACCTTCCCAGGATGTAAGCAGTGAC
ATCCATCTGTGAAGCAGCAGAAAAGGAGCTGACTTCAGTTGTGGCAGAAAATGGCACTGGCTTGGTAG
GCAGCTGGAGCTGGAGGAAGAGCAGCCAGAATAAAGATGTGTGGTACAATGGTCTGTCTCCTCTGT
GGAGTCTTACACCAAGAAGTCTCCGCTCGTCCCTGATCCCACAGTGAAGTGTCTAGATGATCCCTTCA
CATCTTCTGATCAACTGGAAGACTCCAATTCTCAGTGAAGACTCCCTGGAGCCCTTTGACTCTCTGG
CAGCAGAGCCAGTGAAGTGGCAGTCTTTATGGTATAGATGATGCGGAGCTGATGGGTGCAGAAGACAAGT
GCCTCTGGAGGGCAACCTGTGATCTCTGCCCTCGATTGCCCTGCTCTCAGTAATGCTAATGCCTTCAGT
CTCCTGGCAGACGACAGCCAGACATCAGCCTCCATCTTTGTCAGCCCTACCTCCCCACCTGTCTTAGGGG
AGTCTGTCTTGAAGATAACAGCTTTGGACTGAACAGTTGCAGTGAAGTCTGAACAGGAAGAAATAGAGAC
CCAGTCTTCAAACCTTCAAACGCTCCCTGACTGAGCCAGCTCCTGACCAGCCACCTAGTACTCAACTACAT
CCAGCAGTTTACCAACAGCCTCCCCAGCAGCCTCCTTGACAGCATCTGCAGAAATCTCTCCAGTGTCT
CTCCAGTAGCATCTCGCTGTCCCTCCTGAAGTCTTTGTAGCAGTCTCTCCAGTCTCTCACCTGCTCT
GCCAGCATCTTTGGAAGCCTCTATGACAACCTCAGTAACTTCTCCTCAAGGTTCCCTGAACCTTCT



[View online >](#)

CCAGCAGCTGCCTTCCAGACTGTCTCCCCAGCAAGGAAAAATGTCAGCAGTGCTCCTAAAGCGCGTGCTG
 ATCGAGAAGAGACGACTGGAGGAGCAGTTGCAGTCTCTGGTAGTGGTGTACTGAAGAGACGTATTGC
 TACCCCAAGAAAGTTCTGCTTCCCTCCAGCATGGGTGGCGAAGAGAAGTGCGCATCAAGAAGGGCAGC
 CATCGGTGGCAGGGGGAGACTTGGTACTATGGCCCTGTGGGAAGAGAATGAAGCAATTTCCAGAAGTTA
 TCAAGTACCTGAGCCGAAATGTGGTGCACAGTGTCCGCCGTGAGCACTTCAGCTTCAGTCCCCGCATGCC
 TGTTGGAGATTTCTTTGAAGAAAAGAGATACACCAGAGGGCTTGCAGTGGTCCAGTTATCAGCAGAGGAG
 ATTCTTCCAGAAATCAAGCAATCACTGGCAAACGAGGCCGACCTCGAAACAATGAGAAGGCTAAGAAACA
 AGGAAGTTCCAAAGTGAAGCGGGCCGAGGTCGGCTCCTAAGATCAAAATGCCTGAGCTGTTGAATAA
 AACAGATAACCGACTTCCAAAGAACTGGAACCCAAGAAATACTGAGTGAGGACGATAAAGCAAAGATG
 ACTAAAAAAGAAAGATGAGGCAGAAGGTCCAACGGGGAGAAAGTCAGACTCCTGTCCAAGGGCAGG
 CCAGAAACAAGAGGAAGCAAGACACCAAGAGCTTGAAGCAGAAGGACACTAAGAAGAAATGGAAGGCTGA
 GAAAGAGAAGATGAAGACAAAGCAGGAAAAGCTGAAGGAAAAGGTAAAGCGAGAAAAGAAAAGGTA
 AAAGCGAAGGGGAAGGAAGGGCCAGAGCCAGGCCATCCTGTAGAGCAGACAAGACCTTGCCACACAGA
 AGCGGCTAGAGGAGCAGCAGAGGCAGCAGGCTATCCTGGAGGAGATGAAGAAGCCACAGAGGATATGTG
 TCTGTCTGACCACCGCCCTGCCTGACTTCACACGCATCCCTGGTTTGACTGTCCAGTAGGGCTTTC
 TCAGATTGCTTGACCATCGTGGAGTTCTTTCACAGTTTTGGCAAAGTGCTAGGCTTTGACCTTACCAAAG
 ATGTTCTAGTCTAGGAGTCTGCAGGAGGGACTCTTATGTCAAGGTGACAGCTTGGACAAGTGCAAGGA
 CCTGCTGGTGGCAGTGTGAAGGCTGCACTCCATGATCCTGGTCTGCCCCCTACTGTGAGTCCCTGAAG
 ATATTGGGGGAGAAGATGTCAGAGATCCATTGACCAGAGATAATGTGTCTGAGATACTGCGCTGCTTCC
 TCATGGCATAATAGAGTGGAGCCATCCTTCTGTGACAGTCTGCGTACCCAGCCTTTTCAGGCCAGCCACC
 TCAACAGAAGGCTGCTATTCTAGCCTCCTTGTGATGAGCTTAACAGCTCCACCATTATCATCAATGAG
 ATTGACAAGACTCTGAAAGTGTGTCTAGCTGCAGGAAGAACAAGTGGATTGTTGAAGCCGACTCCGGA
 GACTGAAAACCTGCTCTGGCCAAAGCAACTGGCCGGCCTGAGGTTATGATGGAAGGGGCAAGAGCCGCT
 AGGACGGAGGCGCAGTTCTCGGATCATGGAGGAAACCAAGTGGCATAGAAGAGGAGGAAGGGAAGAAAT
 ACAACAGCTGTCCATGGCCGAGGGTTCGAAAAGAAGGAGAGATTGATGTTGCAGCATCTAGCATTCCAG
 AGCTAGAGCGCCATATAGAAAACTCAGTAAGCGTCAGCTCTTCTTTAGAAAAAGCTGTTCACTCATC
 CCAGATGCTTCGGGCAAGTGTCTTGGTCAAGACCCTATAGACGCCATTACTGGGTATTACCGTATCTT
 GCTGGTATCTTTGGAAGGATCGGAAGGGAGCACAGTACTGAAGATGAAATAAAGCAAGAAACTGAGT
 CCTTGATGGAAGTAGTCACTTCAACACCAGCTCTGCCGAGCCTCTGTAAGAGAGAATTAAGTGGCTC
 CAATGCCTCTACTTCTCCTGCCCGTCCGAGGCCACCTCGAAAACCTAAGCCTGGGTCTCTGCAGCCT
 CAGCACCTTCAGTCCACCATTAGGAATGTGATTCAGAGCAAGCCAGACTCAAGTTCACCCAGAACCCC
 AGCCTCAGCTTCAGGCCCTACCCAGCCCCATCTCAGCCAAGTAGTGGGTTCTAGAGCCAGAAGGTTCC
 CCCTTCTCTCTGGGTCAGAGCCAGCATGACCTCAGCCAGTCTGCCTTCTGTCTTGGCTGAGCCAGACT
 CAGAGCCACAACCTCCCTGTTGAGCAGCTCAGTCTCACGCCGGACAGCAGCCAGGGAACTAGACTCTG
 CTCCGTCTCAGTCTTGGAGGAGCCGAGCCTGATGAGGCTCAGTCTGCCCTGGTCTCAAGGTCCCTG
 GTTTAACTTCTCAGCCAGATACCCTGTGATGTGCTCTACACCACCTCCTGCAGTCTCTGAGGACCAA
 CCTACTCCCTCCCTCAGCTGCTGGCTCCTCTAAACCAATGAATACACCCGGTGTGCCAATCCTTGT
 CCCCAGTGCAGCTCTCTCCACTCACTTGCCTGGAGGGACCCCTAAGAGGCTATCAGGGGACTCTGAAGA
 AATGTCACAGAGTCCCAGTGGGCTGGGCAACCAAGCGGAGGGGAGACCCCTAGCAAGTCTTCAAG
 CAGGTGGAGCAGCATTACTTAACCCAGCTGACAGCCAGCCTATCCCCCTGAGATGTGCTCGGGCTGGT
 GGTGGATCCGAGACCCTGAGACTGGATGTCTGCTCAAGGCACTGCATCCCCGAGGCATCCGGGAGAA
 GGCGCTTCAAAACATCTTAGCAAGCACAGGACTTTTTGCAGGAAGTTGTTTACAGCCCTTAACTGAT
 CCCATCTTTGAGCCTAATGAGCTCCCTGCCTTGAAGAAGGCGTTATGAGCTGGTCCCCAAAGAGAAGA
 CGTACGAGACAGACCTAGCTGTGCTCCAGTGGTGGAGGAGCTGGAGCAGCGGTTGCTCTCCGATCT
 GCAGATTCGGGGCTGGACATGCCCTACCCAGACTCCACCAGAGAAGACTTGACCTACTGTGAGCATCTG
 CCTGACTCCCCGAGGATATCCCTTGGAGGGTGGGGCAGGGAAGGAACAGTACCTCAGCGGCAGAACA
 ACAACCTCTGGACCTCGCTGTGATGCGATTGGCTGTTCTGGAGCAAAATGTGGAGCGGGCTACTTGGC
 GGAGCCCCTCTGGGAGCCATGAGGTGGTAGTGGAGAAGGCCCTACTGAGCACACCCAATGGTGCCCT
 GATGGCACCTCAACTGAGATATCCTATGAGATACCCCTCGTGTCCGAGTTTGGCGGCAGACACTTGAAA
 GGTGCCGTAGTGCAGCCCAAGTGTGCTTGTGATGGGCCAGTAGAAAGGTCCATCGCGTGGGAGAAGTC
 TGTCAACAAAGTGACCTGCCTGGTCTGCCGGAAGGGCGATAATGATGAGTTTCTCCTGCTGTGATGGG
 TGTGACCGAGGCTGCCACATTTACTGTCATCGGCCAAGATGGAGGCTGTTCCAGAAGGAGATTGTTCT

GTGCTGTCTGTCTGTCCCAGCAGGTAGAGGAAGAGTACACTCAGAGGCCTGGTTTTCCAAAACGAGGTCA
 GAAGCGGAAAAGTAGTTTTCCACTGACCTTCCCAGAAGGTGACAGCCGGCGGCGGATGTTGTCAAGGAGC
 CGAGATAGTCCAGCAGTGCCTCGGTACCCAGAAGACGGGTGTCTCCCCAAAAGACGGCGACATTCGA
 TGAGAAGTACCACAGTGATCTCACATTTTGGAGATTATCCTGATGGAGATGGAGTCCCATGATGCAGC
 CTGGCCTTTTCTAGAGCCTGTGAACCTCGCTTGGTGAGTGGATACCGACGTGTCATCAAGAACCCTATG
 GATTTTTCCACCATGCGAGAACGCTGCTCCGTGGAGGGTACACTAGCTCAGAAGAGTTTGCAGCTGATG
 CTCTGTGGTTTTTGACAACTGCCAGACCTTCAATGAGGATGACTCTGAAGTGGCAAGGCTGGGCACGT
 CATGCGACGCTTCTTTGAGAGCCGCTGGGAGGAATTTTATCAGGAAAACAGGCCAATCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225373 representing NM_054078
 Red=Cloning site Green=Tags(s)

MEANDHFNTGLPPAPAASGLKPSPPSSGEGLYTNNGSPMNFQQGKSLNGDVNVNGLSTVSHTTTTSGILNS
 APHSSSTSHLHHPNVAYDCLWNYSQYPSANPGNNLKDPPLL SQFPGGQYPLNGILGGRQPSPPSHNTNL
 RAGSQEFWANGTQSPMGLNFDSQELYDSFPDNFVMPNGPPSFFTSPTSPMLGSSIQTFAPSQDVSSD
 IHPDEAAEKELTSVVAENGTGLVGSLEEEEQPELKMCGYNGSVSVESLHQEVSVLVPDPTVSCLDLDP
 HLPDQLEDTPILSEDSLEPFDSLAAEPVSGSLYGIDDAELMGAEDKPLEGNPVISALDCPALSNANAFS
 LLADDSQTSASIFVSPTSPVVLGESVLQDNSFGLNSCSDSEQEEIETQSSNFQRPLTEPADQPPSTQLH
 PAVSPTASPAASLTASAEISPAVSPVASSPVPEVVFVAVSPASSPALPAISLEASMTTPVTSPOGSPSPS
 PAAAFQTVSPARKNVSSAPKARADREETTGGAVAVSGSDVLRRIATPEEVRLPLQHGWRREVRIKKG
 HRWQGETWYYPGCGKRMKQFPEVIKYL SRNVVHVSVRREHFSFSPRMPVGDFFFEERDTPEGLQWVQLSAE
 IPSRIQAITGKRGRPRNNEKAKNKEVPKVRGRGRPPKIKMPELLNKTDNRLPKKLETQEILSEDDKAKM
 TKNKKMRQKVQRGESQTPVQGGARNKRKQDTSLSKQKDKTKKLLKAEKEKMKTKQEKLKEKVKREKKEK
 KAKGKEGPRARPSRADKTLATQKRLLEEQQRQQAILEEMKPTEDMCLSDHQPLPDFTRIPGLTLSSRAF
 SDCLTIVEFLHSFGKVLGFDLTKDVPSLGVLEGLLQCGDSLQDKVQDLLVRLKKAALHDPGLPPYQSLK
 ILGEMSEIPLTRDNVSEILRCFLMAYRVEPSFCDSLRTQPFQAQPPQQAAILAFLVHELNSSTIIINE
 IDKTLSEVSSCRKNKIIEGRLRRLKALAKRTGRPEVMMEGAEDGLGRRRSSRIMEETSIGIEEEEEEN
 TTAHVHRRGRKEGEIDVAASSIPELERHIEKLSKRQLFRKLLHSSQMLRAVSLGQDRYRRHYWVLPYL
 AGIFVEGSEGSTVTEDEIKQETESLMEVVTSTPSSARASVKREL TGSNASTSPARSRGRPRPKPGSLQP
 QHLQSTIRECDSEQAQTQVHPEPQQLQAPTQPHLQPSSGFLEPEGSPFSLGQSQHDLSQSAFLSWLSQT
 QSHNSLLSSSVLTPDSSPGKLDAPSQSLEEPDEAQSCPGPQGPWFNFSQAQIPCDAAPTPPAVSEDQ
 PTPSLQLLASSKPMNTPGAANPCSPVQLSSTHLPGGTPKRLSGDSEMSQSPTGLGQPKRRGRPPSKFFK
 QVEQHYLTQLTAQPIPEMCSGWWWIRDPETLDVLLKALHPRGIREKALHKHL SKHKDFLQEVCLQPLTD
 PIFEPNELPALEEGVMSWSPKEKTYETDLAVLQWVEELEQRVVLSDLQIRGWTCTPDSTREDLTYCEHL
 PDSPEDIPWRGRGREGTVPQRQNNPLDLAVMRLAVLEQNVERRYLREPLWAAHEVVVEKALLSTPNGAP
 DGTSTEISYEITPRVRVWRQTLERCRSAAQVCLCMGQLERSIAWEKSVNKVTCLVCRKGDNDFLLLCDG
 CDRGCHIYCHRPKMEAVPEGDFCAVCLSQQVEEYEQRPGFPRKQKRSFPLTFPEGDSRRRMLSR
 RDSPAUPRYPEDGLSPPKRRRHSRSHSDLTFCEIILMEMESHDAAWPFLEPVNPRLVSGYRRVKNPM
 DFSTMRELLRGGYTSSEEF AADALLVFDNCQTFNEDDSEVGKAGHVMRRFFESRWEEFYQKQANL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9105_e06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_054078

ORF Size: 5661 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).

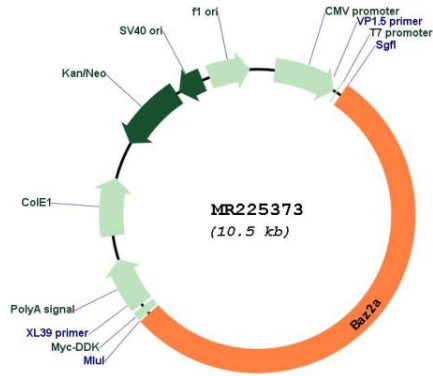
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_054078.2](#), [NP_473419.2](#)

RefSeq Size: 8369 bp

RefSeq ORF: 5664 bp
 Locus ID: 116848
 Cytogenetics: 10 D3
 MW: 209.4 kDa

Product images:



Circular map for MR225373