

Product datasheet for **MC224545**

Baz1b (NM_011714) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Baz1b (NM_011714) Mouse Untagged Clone
Tag: Tag Free
Symbol: Baz1b
Synonyms: C87820; Wbscr9; WSTF
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224545 representing NM_011714
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCCGCTGCTGGGCCGAAGCCCTCCCGCTGGTGAACCGCTGCCGGAGAGGAGCCGCTTTCA
 CCATCCCACACTCAGGAGCCCTCCGCACCCGGAAGAGTATGAAGCCCGCTGGAAAGATACAGTGA
 ACGCATTGGACGTGTAAGAGTACAGGAAGCAGTCACTAACACACAAGGAGCCCTGGGAAGAGGAACAG
 GAAGTTGCTGAGCTTTTGAAGGAAGAGTTTCTAACTGGTATGAGAAGCTGTTTTGGAAATGGTTCAAC
 ATAACACAGCCTCCTTAGAGAAGCTTGTGACTCTGCCTGGTTAGAGATCATGACCAAATATGCCGTGGG
 GGAAGAGTGTGACTTTGAGGTTGGGAAGGAGAAAATGCTCAAGGTGAAGATAGTGAAGATTCATCCTTTG
 GAGAAAGTTGATGAAGAAGCTGTTGAGAAGAAATCTGATGGGGCCTGTGATTCTCCGTCAAGTGACAAA
 AAAATTCAGTCAAAATGGCTCAGGACCTCCAGAAGAAGGAGACAGTAGTCAAAGAGGATGAAGGCAGGAG
 AGAGAGTATTAATGACAGAGCGGTAGGTCTCCACGAAAATTCCTACTTCATTAAGGAGGAGAAAGA
 AAATGGGCTCCTCAAAAATTTGCCTCAGAAAATGATGTGAAGCTACAAAATGAAGATAAGATCATCA
 GCAATGTGCCAGCAGACAGCTTGATTGCAACGGAGAGACCACAAATAAGGAGATACTTCGATACTTTAT
 TCGGCATAATGCCTTACGTGCTGACTGGTGAAGTGCACCTTGGGTGGTGAAGATGAATTGGTGAAG
 AAATATCCCTGCCTAGCAAGTTCAGTACTTTTTACTTGACCCATATAAGTATATGACTCTCAATCCCT
 CTACCAAGAGGAGGAATACTGGATCTCCAGACAGGAAGCCCTCAAAGAAACCTAAGAGAGACAGTTCTTC
 TCTGAGTTCCCCTAAACCCTAAGCTGTGGTGTGATGTGCACTTGAGAGAGTGTAAATGGCCACCA
 CTCAAAGTAAAGAACTCAAAGAATTCAGTCTCCGGAAGAACATTTGGAAGGGGTGATGAAAATATGT
 CCCCCAACAAACAAGCTACACAGCTTCCACATTCCTAAGAAAGGCCAGCCGCAAGAAGCCAGGGAA
 GCACAGTGACAACTCTGAAGGCCAAGGCAGAGGCAAAGGCATCCTGAATGGACAGAAGTCCACAGGC
 AACTCAAATCACCCAGCAAGTGTGTAAGACTCCTAAGACCAAATGAAGCAGATGACTTTGTTGGATA
 TGGCCAAAGGGACTCAGAAGATGACCCGACCCACGGAGTTCTGGGGGTGTGCCAAGGTCTTCTGGTAA
 ACCTCACAAACACCTGCCTCCTGCAGCTCTGCATCTGATTGCCTATTACAAGAAAATAAAGACAAGAG
 GACAAGAAGAGTCTGTCTGTGTTATCTCCAAAACAGCACGTCTCCTCTCCAATGAAGATAGAGCCC



[View online »](#)

GTCTTCCAGAAGAGCTCCGGGCTCTTGTCCAGAAACGCTATGAGCTCCTGGAACATAAAAAGAGGTGGG
 CTCTATGTCTGAAGACAACGGAAAGAATATTTGAAAAGAAACGACAGGAGCTAAAGGAGAGGTTGCGG
 GAAAAGCCAAAGAACGGAGAGAGAGAGAAATGCTGGAGAGGTTAGAAAAGCAGAAGCGATTTGAGGACC
 AGGAGTTAGGTGGCAGAAACCTCCCAGCATTACAGGCTGGTAGATACCCCTGAGGGGCTCCCAACACTCT
 TTTTGGGATGTGGCCCTGGTGGTGGAGTTCCTGAGCTGTTACTCTGGGTTGCTCTTGCCGATGCTCAG
 TACCCTATCACTGCTGTGTCCCTAATGGAAGCCTTGAGTGCAGATAAAGTGGTTTTTTGTACTTGAACA
 GAGTGTGGTCACTCTGCTACAGACCTTACTTCAGGATGAAATTGCAGAAGACTATGGAGAACTGGGAAT
 GAAGCTGTCAGAAATCCCCTCACCCCTGATTCTGTCTCAGAGCTGGTCCGGCTCTGCTTGCGCAGGTGT
 GATGTCCAGGAGGACAGCGAGGGCTCAGAAACAGATGACAATAAAGATTCCACACCAATTTGAGGATAATG
 AGGTGCAAGACGAATTTCTAGAGAAGCTGGAGACATCAGAATCTTTGAGCTGACCTCAGAGGAGAAGCT
 ACGGATATTGACAGCTCTTTGCCACCGTATCCTCATGACATACTCTGTGCAAGACCACATGGAGACAAGA
 CAGCAGGTGTCTGCAGAGTTGTGGAAGGAGCGGCTTGTGTGCTGAAGGAGGAGAATGATAAGAAGAGAG
 CAGAGAAGCAAAAGCGGAAGGAGATGGAAGCCAGAAATAAAGAAAATGGCAAAGAGGAGAATGTGCTAGG
 CAAAGTGGACAGGAAAAAAGAAATGTGAAGATTGAACAGCAAGTAGAAGTGAAGCAGATGACATGATC
 AGTGTGTCAAGAGCAGAAGGCTGCTTAGCATGCAAGCTAAGAGGAAGCGGAAATCCAGGAGAGAGAAA
 CAAAAGTGAGATTGGAACGGGAAGCTGAAGAGGAACGAATGCGGAAACACAAGGCTGCTGCCGAGAAGGC
 TTTCCAGGAAGGGATTGCCAAGGCAAACTTGTACTGCGCAGGACACCTATTGGTACAGACCCGAACCAT
 AACAGATACTGGCTCTTCTCAAACGAAGTCCCAGGATTATTCAATTGAAAAGGGCTGGGTCCATAATAGCA
 TTGACTACCGTTTTAAGCATCACCGCAAAGACCACAGCAATTTACCTGATGATGACTACTGCTCCTCGAAG
 TAAGAAAGCAAACCTAGGCAAGAATGCAAGTGTGAATGCGCACCATGGACCAGCACTAGAAGCTGTGGAG
 ACCACTGTGCCAAGCAAGGACAAACTTATGGTTCCTGTGTGACAGTCAAGAGGAATGGATGAGCTGC
 TGAGTTGCCTCCATCCTCAGGGAATCAGGGAAGTCACTTAAAGAGAGGCTGGAGAAGAGATACCAAGA
 AATTACTATTCTATTTATCTGGCTCGGAAGCAAATTTGGGTCTAAAATCTTGTGACGGCAACCCAGGAG
 CTCTTAAACTTCTGAGGAGTATCTTATTGAAGTGGCAACGAGGCTGCAGAAAGGAGACTTGGCTACA
 TGGAGGGAACATCTGAGTTTGGGCCGGGTCACTTCTTAGAGAACTGAAGGATTTTGGTGAATGCGT
 CATTGCCCTTCAAGCCAGTGTCTATAAGAAATTTCTGCAAGGATTTATGGCGCTAAGCAGAAGAAGCGG
 AAACCTCAAAGTGAAGATTCCACAAAGTCCGAGGAAGTAGATGAAGAGAAAAAGATGGTAGAGGAAGCAA
 AGGTTGCCTCTGCACTGGAAAAATGAAAAACAGCAATCCGTGAAGCACAGACCTTTTCCAGGATGATGT
 TCTACTGGGATGCTCGATGCATGTATCAAGTGGGACATGTCAGCAGAAAACGCTAGGTGCAAAGTTTGT
 CGAAAGAAAGGTGAGGATGACAAGCTGATCCTGTGTGACGAGTGAATAAAGCCTTCCACCTGTTCTGTC
 TGAGGCCGGCCCTTATGAAGTACCAGATGGCGAGTGGCAGTGTCCAGCTTGCCAGCCTCCTACTGCCAG
 ACGCAATTCCTGTCAGGAATTAACACTGAAGAGTCTACCTCTGAGGGCAGCGAGGGTATGAGAGCGGT
 GAAGAGGAAGAGGAAGAAGAGGAGGAGGAGGAAGAAGAAGAGGATTATGAAGTGGCTGGCTTGGCGCTGA
 GACCTCGGAAGACCATTGAGGCAAGCAGAGTGTATCCCTGCAGCAAGACCAGGCCGACCCGGGTAA
 GAAGTCACATCCTGCCAGAAGGTCACGGCCAAAGGATGACCCAGAGGTCGATGATCTGGTACTTCAGACC
 AAGCGTATCTCGAGAAGGCAGAGTCTGGAGCTACAAAAGTGTGAGGATATCCTTCCAAAAGTGGTGAAGT
 ACCGCTTACGCTGGCCCTTCCGGGAGCCTGTGACCAGAGACGAGGCTGAGGACTACTATGATGTGATCGA
 GCACCCCATGGACTTCCAGACCATACAGAACAATGCTCATGCGGGAACCTACCGATCTGTGCAGGAGTTC
 CTCACTGACATGAAGCAAGTGTGTTGCCAATGCCGAGCTATAACTGCCGCGCAGCCACGTGCTGAGTT
 GCATGGAGAAGACAGAGCAGTGTCTGTGGCTCTGCTGCAAAAACACCTCCCGGCCACCCCTACGTGCG
 CAGGAAACGCAGGAAGTTTCTGATAGGCTCGCTGATGATGAAGGGGACAGTGACTCAGAGTCTGTTGGA
 CAGTCCAGGGGACGGAGACAGAAGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011714
Insert Size: 4440 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_011714.2 , NP_035844.2
RefSeq Size:	6446 bp
RefSeq ORF:	4440 bp
Locus ID:	22385
UniProt ID:	Q9Z277
Cytogenetics:	5 G2
Gene Summary:	<p>Atypical tyrosine-protein kinase that plays a central role in chromatin remodeling and acts as a transcription regulator. Involved in DNA damage response by phosphorylating 'Tyr-142' of histone H2AX (H2AXY142ph). H2AXY142ph plays a central role in DNA repair and acts as a mark that distinguishes between apoptotic and repair responses to genotoxic stress. Essential component of the WICH complex, a chromatin remodeling complex that mobilizes nucleosomes and reconfigures irregular chromatin to a regular nucleosomal array structure. The WICH complex regulates the transcription of various genes, has a role in RNA polymerase I and RNA polymerase III transcription, mediates the histone H2AX phosphorylation at 'Tyr-142', and is involved in the maintenance of chromatin structures during DNA replication processes. In the complex, it mediates the recruitment of the WICH complex to replication foci during DNA replication.[UniProtKB/Swiss-Prot Function]</p>