

Product datasheet for **SC119060**

BMX (NM_001721) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BMX (NM_001721) Human Untagged Clone
Tag:	Tag Free
Symbol:	BMX
Synonyms:	ETK; PSCTK2; PSCTK3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_001721 edited
GGGCGGCCGGAATTCGGCACGAGGCTGCAACAGCAGACCAAGCACCGCGGCGGACCCAG
GCAAGCACGGAACAAGCTGAGACGGATGATAATATGGATACAAAAATCTATTCTAGAAGAA
CTTCTTCTCAAAAGATCACAGCAAAAGAAGAAAATGTCACCAAATAATTCAAAGAACGG
CTTTTTGTTTTGACCAAAACAAACCTTTCCTACTATGAATATGACAAAATGAAAAGGGGC
AGCAGAAAAGGATCCATTGAAATTAAGAAAATCAGATGTGTGGAGAAAAGTAAATCTCGAG
GAGCAGACGCCTGTAGAGAGACAGTACCCATTTTCAGATTGTCTATAAAGATGGGCTTCTC
TATGTCTATGCATCAAATGAAGAGAGCCGAAGTCAGTGGTTGAAAGCATTACAAAAAGAG
ATAAGGGGTAACCCACCTGCTGGTCAAGTACCATAGTGGGTTCTTCGTGGACGGGAAG
TTCCTGTGTTGCCAGCAGAGCTGTAAGCAGCCCCAGGATGTACCCTCTGGGAAGCATAT
GCTAATCTGCATACTGCAGTCAATGAAGAGAAACACAGAGTTCCACCTTCCCAGACAGA
GTGCTGAAGATACCTCGGGCAGTTCCTGTTCTCAAAATGGATGCACCATCTTCAAGTACC
ACTCTAGCCCAATATGACAACGAATCAAAGAAAACTATGGCTCCAGCCACCATCTTCA
AGTACCAGTCTAGCGCAATATGACAGCAACTCAAAGAAAATCTATGGCTCCAGCCAAAC
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TACACAGTGTCTTATTTAGTAAGGCTGTGAATGATAAAAAGGAACTGTCAAACATTAC
CACGTGCATACAAATGCTGAGAACAAATATACCTGGCAGAAAACACTGTTTTGATTCC
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CACCTGTGTCAACAAAGGCCAACAAAGGTCCCGACTCTGTGTCCCTGGGAAATGGAATC
TGGGAACGTGAAAAGAGAAGAGATTACCTTGTGAAAGAGCTGGGAAGTGGCCAGTTTGA
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CCCAAGCTGGTTAAATTCATGGAGTGTGTTCAAAGGAATACCCCATATACATAGTGACT
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CCTTCCCAGCTCTAGAAATGTGCTACGATGTCTGTGAAGGCATGGCCTTCTGGAGAGT
CACCAATTCATACACCGGACTTGGCTGCTCGTAACTGCTTGGTGGACAGAGATCTCTGT
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AGCAGCAAGTCAGACGTATGGGCATTTGGGATCCTGATGTGGGAGGTGTTGAGCCTGGGG
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AGGCTTACCAGCCACCTGGCATCGGACACCATCTACCAGATCATGTACAGCTGCTGG
CACGAGCTCCAGAAAAGCGTCCACATTTTCAGCAACTCCTGTCTCCATTGAACCACTT
CGGGAAAAGACAAGCATTGAAGAAGAAATAGGAGTGTGATAAGAATGAATATAGATG
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TTCCAGCCTATAGCAGAAGCACATTTTCAGACTGCAATATAGAGACTGTGTTTCATGTGTA
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TTGTCCACAACATTAATATACTACCAAGTACAGAAAAAAAAAAAAAAAAAACTCGACTC
TAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGAC
CCCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGGCCACCAGCCTTG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001721 unedited
 TCCAGCAATTTGTAATACGAACTCACTATAGGGCGGCCGCGATTTCGGCAGCAGGCTGCAA
 CAGCAGACCAAGCACCCGCGGGACCCAGGCAAGCACGGAACAAGCTGAGACGGATGATA
 ATATGGATACAAAATCTATTCTAGAAGAACTTCTTCTCAAAGATCACAGCAAAAGAAGA
 AAATGTCACCAAATAATTACAAAAGAACGGCTTTTTGTTTTGACCAAAAACAACTTTCT
 ACTATGAATATGACAAAATGAAAAGGGGCAGCAGAAAAGGATCCATTGAAATTAAGAAAA
 TCAGATGTGTGGAGAAAGTAAATCTCGAGGAGCAGACGCCTGTAGAGAGACAGTACCCAT
 TTCAGATTGTCTATAAAGATGGGCTTCTCTATGTCTATGCATCAAATGAAGAGAGCCGAA
 GTCAGTGGTTGAAAGCATTACAAAAGAGATAAGGGGTAAACCCACCTGCTGGTCAAGT
 ACCATAGTGGTTCTTCGTGGACGGGAAGTTCCTGTGTGCCAGCAGAGCTGTAAAGCAG
 CCCCAGGATGTACCCTCTGGGAAGCATATGCTAATCTGCATACTGCAGTCAATGAAGAGA
 AACACAGAGTTCCCACCTCCCAGACAGAGTGTGAAGATACCTCGGGCAGTTCTCTGTT
 TCAAAAATGGATGCACCATCTTCAAGTACCACTCTAGCCCAATATGACAACGAATCAAAGA
 AAAACTATGGCTCCCAGNACCATCTTCAAGTACCACTCTAGCGCAATATGACAGCAACT
 CAAAGAAAATCTATGGCTCCAGCCAACTTACATGCAGTATATTNCAGGGGAAGACCT
 CCTGACTGGCGCAAGTAAAGAAAAGTAAAGCATCATCACCAGTGAAGATGTTGCAGC
 AGTTACCAAAAAGAAAAAAGGGATCCCACCCCTAAGATTCATGGGGATCCCTGAGTN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001721 unedited
 ACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTGTACTTGGTAGTAT
 ATTTAATTGTTGTGACAATGACAATATAAAGAAAAGAATGAATATCCAATAAGTAATTTT
 TCAGTTCTGCTCAGTCTTACACATGAACACAGTCTCTATATTGCAGTCTGAAAATGTGC
 TTCTGCTATAGGCTGGAAAGTGTATATCAGGAGCAGCATAAACAAAATTAATAATTTGA
 TCTAAATTTCAAGGGAATCTTTTGTTCCTGCCTTGTTCAATTTCTAAATAATAGACAATA
 CAGAGAACTATTAAAACTAGCTAAATTACATTATGCCTTGCTACTTTCTTAAAAATG
 AATGAAAATGCTGGCCAGCATCTATATTCTTATCAGCACTCCTAATTTCTTCTTCA
 ATGCTTGTCTTTTTCCGAAGTGGTTCAATGGAAGACAGGAGTTGCTGAAATGTGGGACG
 CTTTTCTGGAAGCTCGTGCCAGCAGCTGTACATGATCTGGTAGATGGTGTCCGATGCCAG
 GTGGGGCCGGTAAAGCCTGTGGCCCTGGGAGACCTCAGAACCACCTGGGAGTTGTCATA
 CAAGTCATAGGGCTGCTTCCCCAGGCTGAACACCTCCCACATCAGGATCCCAAATGCCCA
 TAGCTCTGACTTGCTGTGATTTGAAGTAAATGAAACACCTCTGGAGCTGACCACTTGAC
 TGGAAACTNTGTTCCGACTGAACTGACATACTGGTCATCAAGAACATACCTTGTCATTCC
 AAAGTCAGATACTTACACAGAGATCTCTGTCCACCAGCAGTTACGAGCAGCCAAGTCCC
 GGTGTATGAATTGGTACTCTCCAAGAAGCCATGCCTTACAGAATCGTANCACATTCTA
 GAGCTGGAAGGNNTCAGTCTTTCCGGGCTCCTCAGTAATCAGAN

Restriction Sites:

NotI-NotI

ACCN:

NM_001721

Insert Size:

2300 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_001721.4 , NP_001712.1
RefSeq Size:	2514 bp
RefSeq ORF:	2028 bp
Locus ID:	660
UniProt ID:	P51813
Cytogenetics:	Xp22.2
Domains:	pkinase, SH2, TyrKc, BTK, PH, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>This gene encodes a non-receptor tyrosine kinase belonging to the Tec kinase family. The protein contains a PH-like domain, which mediates membrane targeting by binding to phosphatidylinositol 3,4,5-triphosphate (PIP3), and a SH2 domain that binds to tyrosine-phosphorylated proteins and functions in signal transduction. The protein is implicated in several signal transduction pathways including the Stat pathway, and regulates differentiation and tumorigenicity of several types of cancer cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (2) has an alternate 5' non-coding exon compared to variant 1. Variants 1 and 2 encode the same isoform (1).</p>