

Product datasheet for **SC120834**

BMX (NM_203281) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | BMX (NM_203281) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | BMX |
| Synonyms: | ETK; PSCTK2; PSCTK3 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene ORF within SC120834 sequence for NM_203281 edited (data generated by NextGen Sequencing)

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ATGGATACAAAATCTATTCTAGAAGAACTTCTTCTCAAAAAGATCACAGCAAAAAGAAGAAA
ATGTCACCAAATAATTACAAAGAACGGCTTTTTGTTTTGACCAAAAACAAACCTTTCCTAC
TATGAATATGACAAAATGAAAAGGGGCAGCAGAAAAGGATCCATTGAAATTAAGAAAATC
AGATGTGTGGAGAAAGTAAATCTCGAGGAGCAGACGCCTGTAGAGAGACAGTACCCATTT
CAGATTGCTATAAAGATGGGCTTCTCTATGTCTATGCATCAAATGAAGAGAGCCGAAGT
CAGTGGTTGAAAACATTACAAAAGAGATAAGGGGTAACCCCACTGCTGGTCAAGTAC
CATAGTGGTTCTTCGTGGACGGGAAGTTCCTGTGTTGCCAGCAGAGCTGTAAAGCAGCC
CCAGGATGTACCCTCTGGGAAGCATATGCTAATCTGCATACTGCAGTCAATGAAGAGAAA
CACAGAGTCCCACCTTCCAGACAGAGTGTGAAGATACCTCGGGCAGTTCCTGTTCTC
AAAATGGATGCACCATCTTCAAGTACCCTCTAGCCCAATATGACAACGAATCAAAGAAA
AACTATGGCTCCCAGCCACCATCTTCAAGTACCAGTCTAGCGCAATATGACAGCAACTCA
AAGAAAATCTATGGCTCCAGCCAAACTTCAACATGCAGTATATCCAAGGAAGACTTC
CCTGACTGGTGGCAAGTAAGAAAAGTAAAAGNAGCAGCAGCAGTGAAGATGTTGCAAGC
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GAGTCAAGTTCATCTGAAGAAGAGGAAAACCTGGATGATTATGACTGGTTTGTGGTAAAC
ATCTCCAGATCACAATCTGAACAGTTACTCAGACAAAAGGAAAAGAAGGAGCATTATG
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GACTCTGTGTCCTGGGAAATGGAATCTGGGAAGTAAAAGAGAAGAGATTACCTTGTG
AAGGAGCTGGGAAGTGGCCAGTTTGGAGTGGTCCAGCTGGGCAAGTGGAAAGGGGCAGTAT
GATGTTGCTGTTAAGATGATCAAGGAGGCTCCATGTGCAAGATGAATTCCTTCAGGAG
GCCAGACTATGATGAACTCAGCCATCCCAAGCTGGTAAATTCATGGAGTGTGTTCA
AAGGAATACCCCATATACATAGTACTGAATATAAAGCAATGGCTGCTTGTGTAATTAC
CTGAGGAGTACGGAAAAGGACTTGAACCTTCCAGCTCTTAGAAATGTGCTACGATGTC
TGTGAAGGCATGGCCTTCTTGGAGAGTCACCAATTCATACACCGGGACTTGGCTGCTCGT
AACTGCTTGGTGGACAGAGATCTCTGTGTGAAAGTATCTGACTTTGGAATGACAAGGTAT
GTTCTTGATGACCAGTATGTCAGTTCAGTCGGAACAAAGTTTCCAGTCAAGTGGTCAGCT
CCAGAGGTGTTTCACTTCAAATACAGCAGCAAGTCAGACGTATGGGCATTTGGGATC
CTGATGTGGGAGGTGTTGAGCCTGGGGAAGCAGCCCTATGACTTGTATGCAAACTCCCAG
GTGGTTCTGAAGGTCTCCAGGGCCACAGGCTTACCAGGCCCCACCTGGCATCGGACACC
ATCTACCAGATCATGTACAGCTGCTGGCAGGAGCTTCCAGAAAAGCGTCCCACATTTTCAG
CAACTCTGTCTTCCATTGAACCACTTCGGGAAAAGACAAGCATTGA

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Clone variation with respect to NM_203281.2
753 t=>n

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| 5' Read Nucleotide Sequence: | >OriGene 5' read for NM_203281 unedited NGGTTAGCATTGTATACGACTTCTATAGGCGGCNCGGAATTCGCACGAGTGTGAAACA ATTTGCTTCTGGAAACAGGACAGCCGGGGCCGTGTTCTCTGCAACAGCAGACCAAGCACCG CGGCGGACCCAGGCAAGCACGGAACAAGCTGAGACGGATGATAATATGGATACAAAATCT ATTCTAGAAGAACTTCTTCTCAAAGATCACAGCAAAAGAAGAAAATGTCACCAAATAAT TACAAAAGAACGGCTTTTTGTTTTGACCAAAAACAACTTCTCTACTATGAATATGACAAA ATGAAAAGGGGCAGCAGAAAAGGATCCATTGAAATTAAGAAAATCAGATGTGTGGAGAAA GTAAATCTCGAGGAGCAGACGCCTGTAGAGAGACAGTACCCATTTTCAGATTGTCTATAAA GATGGGCTTCTCTATGTCTATGCATCAAATGAAGAGAGCCGAAGTCAGTGGTTGAAAGCA TTACAAAAGAGATAAGGGGTAACCCCCACCTGCTGGTCAAGTACCATAGTGGGTCTTTC GTGGACGGGAAGTTCTGTGTTGCCAGCAGAGCTGTAAGCAGCCCCAGGATGTACCCTC TGGGAAGCATATGCTAATCTGCATACTGCAGTCAATGAAGAGAAACACAGAGTCCCACC TTCCCAGACAGAGTGTGAAGATACCTCGGGCAGTTCTGTTCTCAAAATGGATGCACCA TCTTCAAGTACCACTCTAGCCCNATATGACAACGAATCANAGAAAACTATGGCTCCCAG CCACCATTTCAAGTACCAGTCTAGCGCAATATGACAGNCACTCANAGAAATCTATGGGC TCCACCAAATTCACATGCAGTATATTCCAGGGGAGACTTCTGACTGGTGGGCAGTAGA AACTGANAGCAGCACAGTGAAGATGTGCA |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_203281 |
| OTI Disclaimer: | Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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 |
| 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_203281.1 , NP_975010.1 |
| RefSeq Size: | 2540 bp |
| RefSeq ORF: | 2028 bp |

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| Locus ID: | 660 |
| UniProt ID: | P51813 |
| Cytogenetics: | Xp22.2 |
| 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 (1) represents the longest transcript and encodes the longer isoform (1). Variants 1 and 2 encode the same isoform.</p> |