

Product datasheet for **RC221915**

BMX (NM_001721) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BMX (NM_001721) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BMX
Synonyms:	ETK; PSCTK2; PSCTK3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC221915 representing NM_001721
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATACAAAATCTATTCTAGAAGAACTTCTTCTCAAAAGATCACAGCAAAAGAAGAAAATGTCACCAA
ATAATTACAAAGAACGGCTTTTTGTTTTGACCAAAACAAACCTTCTACTATGAATATGACAAAATGAA
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CAGACGCCTGTAGAGAGACAGTACCCATTTAGATTGTCTATAAAGATGGGCTTCTCTATGTCTATGCAT
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GGTCAAGTACCATAGTGGTTCTTCGTGGACGGGAAGTTCCTGTGTTGCCAGCAGAGCTGTAAGCAGCC
CCAGGATGTACCTCTGGGAAGCATATGCTAATCTGCATACTGCAGTCAATGAAGAGAAACAGAGTTC
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CACAATCTGAACAGTTACTCAGACAAAAGGAAAAGAAAGGAGCATTATGGTTAGAAAATTCGAGCCAAGT
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TAGAAATGTGCTACGATGTCTGTGAAGGCATGGCCTTCTTGGAGAGTCACCAATTCATACACCGGGACTT
GGCTGCTCGTAACTGCTTGGTGGACAGAGATCTCTGTGTGAAAGTATCTGACTTTGGAATGACAAGGTAT
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TTCATTACTTCAAATACAGCAGCAAGTCAGACGTATGGGCATTTGGGATCCTGATGTGGGAGGTGTTCCAG
CCTGGGGAAGCAGCCCTATGACTTGTATGACAACCTCCCAGGTGGTTCTGAAGGTCTCCCAGGGCCACAGG
CTTTACCGGCCCCACCTGGCATCGGACACCATCTACCAGATCATGTACAGCTGCTGGCAGCAGCTTCCAG
AAAAGCGTCCCACATTTAGCAACTCCTGTCTTCCATTGAACCACTTCGGGAAAAGACAAGCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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_001721.7](#)

RefSeq Size: 2514 bp

RefSeq ORF: 2028 bp

Locus ID: 660

UniProt ID: [P51813](#)

Cytogenetics: Xp22.2

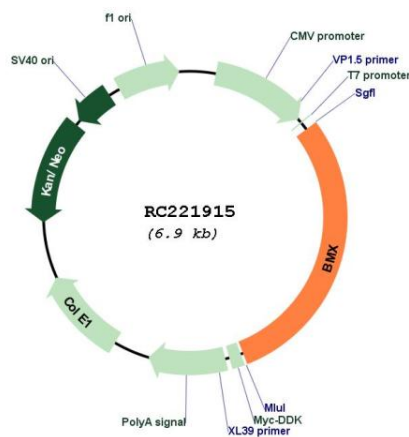
Domains: pkinase, SH2, TyrKc, BTK, PH, S_TKc

Protein Families: Druggable Genome, Protein Kinase

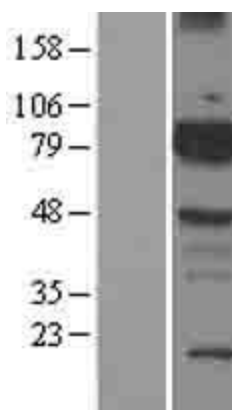
MW: 77.8 kDa

Gene Summary: 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]

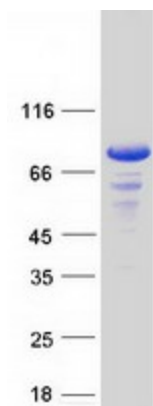
Product images:



Circular map for RC221915



Western blot validation of overexpression lysate (Cat# [LY400648]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221915 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BMX protein (Cat# [TP321915]). The protein was produced from HEK293T cells transfected with BMX cDNA clone (Cat# RC221915) using MegaTran 2.0 (Cat# [TT210002]).