

# Recombinant Human BMX Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BMX-4246H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	BMX MS Standard C13 and N15-labeled recombinant protein (NP_975010) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	78 kDa
<b>AA Sequence</b>	MDTKSILEELLLKRSQQKKKMSPNNYKERLFVLTKTNLSYYEYDKMKRGSRKGSIEIK KIRCVEKVNLEEQTPVERQYPFQIVYKDGLLYVYASNEESRSQWLKALQKEIRGNPH LLVKYHSGFFVDGKFLCCQQSCKAAPGCTLWEAYANLHTAVNEEKHRVPTFPDRVL KIPRAVPVLKMDAPSSSTTLAQYDNESKKNYGSQPPSSSTSLAQYDSNSKKIYGSQP NFMQYIPREDFPDWWQVRKCLKSSSSSEDEVASSNQKERNVNHTTSKISWEFPES SSEEEENLDDYDWFAGNISRSQSEQLLRQKGKEGAFMVRNSSQVGMVTVSLFSKA

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VNDKKGTVKHYHVHTNAENKLYLAENYCFDSIPKLIHYHQHNSAGMITRLRHPVSTK  
 ANKVPDSVSLNGIWELKREEITLLKELGSGQFGVVQLGKWKGGQYDVAVKMIKEGS  
 MSEDEFFQEAQTMMKLSHPKLVKFGVCSKEYPIYIVTEYISNGCLLNLYLRSHGKGL  
 EPSQLLEMCYDVCEGMAFLESHQFIHRDLAARNCLVDRDLCVKVSDFGMTRYVLDD  
 QYVSSVGTKFPVKWSAPEVFHYFKYSSKSDVWAFGILMWEVFLGKQPYDLYDNS  
 QVVLLKVSQGHRLYRPHLASDTIYQIMYSCWHELPEKRPTFQQLLSSIEPLREKDKHT  
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** **BMX** BMX non-receptor tyrosine kinase [ Homo sapiens (human) ]

**Official Symbol** **BMX**

**Synonyms** BMX; BMX non-receptor tyrosine kinase; cytoplasmic tyrosine-protein kinase BMX; ETK; PSCTK3; NTK38 tyrosine kinase; Etk/Bmx cytosolic tyrosine kinase; epithelial and endothelial tyrosine kinase; bone marrow tyrosine kinase gene in chromosome X protein; PSCTK2;

**Gene ID** **660**

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<b>mRNA Refseq</b>	<a href="#">NM_203281</a>
<b>Protein Refseq</b>	<a href="#">NP_975010</a>
<b>MIM</b>	<a href="#">300101</a>
<b>UniProt ID</b>	<a href="#">P51813</a>

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