

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

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

SPECIFICATION

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

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VNDKKGTVKHYHVHTNAENKLYLAENYCFDSIPKLIHYHQHNSAGMITRLRHPVSTK
 ANKVPDSVSLGNGIWELKREEITLLKELGSGQFGVVQLGKWKGQYDVAVKMIKEGS
 MSEDEFFQEAQTMMKLSHPKLVKFYGVCSKEYPIYIVTEYISNGCLLNLYLRSHGKGL
 EPSQLLEMCYDVCEGMAFLESHQFIHRDLAARNCLVDRDLCVKVSDFGMTRYVLDD
 QYVSSVGTKFPVKWSAPEVFHYFKYSSKSDVWAFGILMWEVFSLGKQPYDLYDNS
 QVVLKVSQGHRLYRPHLASDTIYQIMYSCWHELPEKRPTFQQLSSIEPLREKDKHT
 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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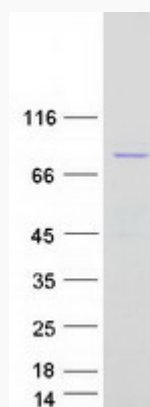
mRNA Refseq [NM_203281](#)

Protein Refseq [NP_975010](#)

MIM [300101](#)

UniProt ID [P51813](#)

SDS-PAGE



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