Recombinant Human BMX, His-tagged

Cat. No. BMX-10259H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BMX protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-300a.a.
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. Multiple alternatively spliced variants, encoding the same protein, have been identified.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

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Gene Name	BMX BMX non-receptor tyrosine kinase [Homo sapiens]
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
mRNA Refseq	NM_001721
Protein Refseq	NP_001712
MIM	300101
UniProt ID	P51813
Chromosome Location	Xp22.2
Pathway	Angiopoietin receptor Tie2-mediated signaling, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic cleavage of cellular proteins, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; IL-3 Signaling Pathway, organism-specific biosystem; IL-6 Signaling Pathway, organism-specific biosystem; Signaling events mediated by focal adhesion kinase, organism-specific biosystem;
Function	ATP binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding; protein tyrosine kinase activity; signal

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	transducer activity;

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