

## Active Recombinant Human BMX, GST-tagged

Cat. No. BMX-1368H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human BMX was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	Full length
<b>Description</b>	The BMX gene encodes a non-receptor tyrosine kinase, which may play a role in the growth and differentiation of hematopoietic cells. The BMX gene is located on chromosomal band Xp22.2 between the DXS197 and DXS207 loci. Interestingly, chromosome X also contains the closest relative of BMX, the BTK gene, implicated in X-linked agammaglobulinemia. BMX, is found to induce activation of the Stat signaling pathway.
<b>Form</b>	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
<b>Bio-activity</b>	34 nmol/min/mg
<b>Molecular Mass</b>	~110 kDa
<b>Purity</b>	>80%

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<b>Applications</b>	Kinase Assay, Western Blot
<b>Storage</b>	Store at $-70^{\circ}\text{C}$ . For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
<b>Concentration</b>	0.1 $\mu\text{g}/\mu\text{l}$
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	BMX BMX non-receptor tyrosine kinase [ Homo sapiens ]
<b>Official Symbol</b>	BMX
<b>Synonyms</b>	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;
<b>Gene ID</b>	660
<b>mRNA Refseq</b>	NM_001721
<b>Protein Refseq</b>	NP_001712
<b>MIM</b>	300101
<b>UniProt ID</b>	P51813
<b>Chromosome Location</b>	Xp22.2

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**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  
transducer activity;

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