

Active Recombinant Human BMX, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant full-length human BMX was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	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.
Form	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.
Bio-activity	34 nmol/min/mg
Molecular Mass	~110 kDa
Purity	>80%

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Applications	Kinase Assay, Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.1µg/µl
GENE INFORMATION	
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

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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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