

Product: BMX, active
Catalog #: 02-2006
Amount: 5 µg

DESCRIPTION: The BMX gene encodes a non-receptor tyrosine kinase, which may play a role in the growth and differentiation of hematopoietic cells (1). 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 (2).
The gene accession number is **NM 001721**
Gene Aliases: ETK; PSCTK2; PSCTK3

SOURCE: Recombinant full-length human BMX was expressed by baculovirus in Sf9 insect cells using a N-terminal GST tag

MOLECULAR WEIGHT: 110 kDa

PURITY: > 90% (by densitometry)

FORM: Purified, in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol

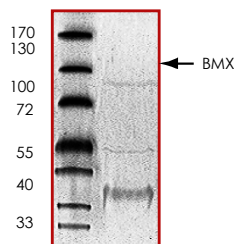
CONCENTRATION: 0.1 mg/ml

SPECIFIC ACTIVITY: 34 nmol/mim/mg

STORAGE: -70°C (aliquot). AVOID repeated Freeze/thaw cycles

REFERENCE:

1. Tamagnone, L. et al: BMX, a novel nonreceptor tyrosine kinase gene of the BTK/ITK/TEC/TXK family located in chromosome Xp22.2. *Oncogene*. 1994 Dec;9(12):3683-8
2. Saharinen, P. et al: The Bmx tyrosine kinase induces activation of the Stat signaling pathway, which is specifically inhibited by protein kinase Cdelta. *Blood*. 1997 Dec 1;90(11):4341-53



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