Recombinant Human BMX/NTK38/ETK Kinase

Catalog No.: RP03322LQ

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Sequence Information

Species
Human

Gene ID
660

Swiss Prot
P51813

Tags
No tag

Synonyms
BMX; NTK38; ETK; cytoplasmic tyrosine-protein kinase BMX

Product Information

Source
Baculovirus-Insect Cells

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
30.9 kDa

Observed MW
25-30 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 20 mM Tris-HCl, 250 mM NaCl, 5 mM DTT. (pH 8.0). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Background

Bone marrow kinase on chromosome X (BMX) is a member of the tyrosine kinase expressed in hepatocellular carcinoma (TEC) family of nonreceptor tyrosine kinases, and within this family, it is most closely related to Bruton's tyrosine kinase (BTK). BMX shares with other TEC family kinases a conserved domain architecture including an N-terminal pleckstrin homology (PH) domain, which has been described to bind phosphatidylinositol(3,4,5)-tris-phosphate and thereby leads to membrane association of BMX. BMX has been suggested to have a role in differentiation, motility, and cell survival. Although BMX-deficient mice do not show spontaneous phenotypes, BMX has been shown to play a crucial role in ischemia-induced arteriogenesis and angiogenesis, as well as VEGF-induced lymphangiogenesis.

Basic Information

Description
Recombinant Human BMX/NTK38/ETK Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Glu411-His675) of Human BMX (Accession #P51813) fused with No tag.

Activity
The activity of BMX is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

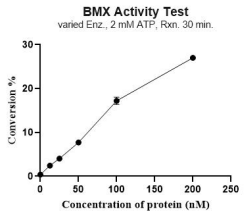
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

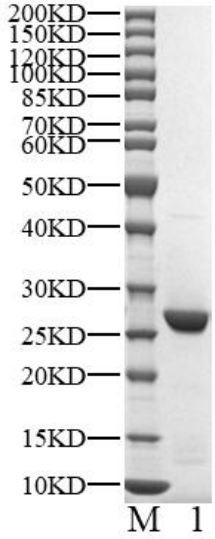
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



The activity of BMX is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.



Recombinant Human BMX/NTK38/ETK Kinase was determined by SDS-PAGE under reducing conditions with Coomassie Blue.

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