

Datasheet for ABIN7552620
BMX Protein (AA 1-675) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BMX
Protein Characteristics:	AA 1-675
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BMX protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat BMX Protein expressed in mammalian cells.
Sequence:	<p>MDTKSILEEL LLKRSQQKKK MSPNNYKERL FVLTKTNLSY YEYDKMKRGS RKGSIEIKKI</p> <p>RCVEKVNLEE QTPVERQYPF QIVYKDGLLY VYASNEESRS QWLKALQKEI RGNPHLLVKY</p> <p>HSGFFVDGKF LCCQQSCKAA PGCTLWEAYA NLHTAVNEEK HRVPTFPDRV LKIPRAVPVL</p> <p>KMDAPSSSTT LAQYDNESKK NYGSQPPSSS TSLAQYDSNS KKIYGSQPNF NMQYIPREDF</p> <p>PDWWQVRKLK SSSSEEDVAS SNQKERNVNH TTSKISWEFP ESSSEEEEN LDDYDWFAGN</p> <p>ISRSQSEQLL RQKGKEGAFM VRNSSQVGMV TVSLFSKAVN DKKGTVKHYY VHTNAENKLY</p> <p>LAENYCFDSI PKLIHYHQHN SAGMITRLRH PVSTKANKVP DSVSLGNGIW ELKREEITLL</p> <p>KELGSGQFGV VQLGKWKGYQ DVAVKMIKEG SMSEDEFFQE AQTMMKLSHP KLVKFGVCS</p> <p>KEYPIYIVTE YISNGCLLNY LRSHGKGLEP SQLLEMCDYDV CEGMAFLESH QFIHRDLAAR</p> <p>NCLVDRDLCV KVSDFGMTRY VLDDQYVSSV GTKFPVKWSA PEVFHYFKYS SKSDVWAFGI</p> <p>LMWEVFSLGK QPYDLYDNSQ VVLKVSQGHR LYRPHLASDT IYQIMYSCWH ELPEKRPTFQ</p>

QLSSIEPLR EKDKH **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	BMX
Alternative Name:	BMX (BMX Products)
Background:	<p>Cytoplasmic tyrosine-protein kinase BMX (EC 2.7.10.2) (Bone marrow tyrosine kinase gene in chromosome X protein) (Epithelial and endothelial tyrosine kinase) (ETK) (NTK38),FUNCTION: Non-receptor tyrosine kinase that plays central but diverse modulatory roles in various signaling processes involved in the regulation of actin reorganization, cell migration, cell proliferation and survival, cell adhesion, and apoptosis. Participates in signal transduction stimulated by growth factor receptors, cytokine receptors, G-protein coupled receptors, antigen receptors and integrins. Induces tyrosine phosphorylation of BCAR1 in response to integrin regulation. Activation of BMX by integrins is mediated by PTK2/FAK1, a key mediator of integrin signaling events leading to the regulation of actin cytoskeleton and cell motility. Plays a critical role in TNF-induced angiogenesis, and implicated in the signaling of TEK and FLT1 receptors, 2</p>

Target Details

important receptor families essential for angiogenesis. Required for the phosphorylation and activation of STAT3, a transcription factor involved in cell differentiation. Also involved in interleukin-6 (IL6) induced differentiation. Also plays a role in programming adaptive cytoprotection against extracellular stress in different cell systems, salivary epithelial cells, brain endothelial cells, and dermal fibroblasts. May be involved in regulation of endocytosis through its interaction with an endosomal protein RUFY1. May also play a role in the growth and differentiation of hematopoietic cells, as well as in signal transduction in endocardial and arterial endothelial cells. {ECO:0000269|PubMed:10688651, ECO:0000269|PubMed:11331870, ECO:0000269|PubMed:12370298, ECO:0000269|PubMed:12832404, ECO:0000269|PubMed:15788485, ECO:0000269|PubMed:18292575, ECO:0000269|PubMed:9520419}.

Molecular Weight: 78.0 kDa

UniProt: [P51813](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months