

Datasheet for ABIN7552762
BEX2 Protein (AA 1-128) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BEX2
Protein Characteristics:	AA 1-128
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BEX2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BEX2 Protein expressed in mammalien cells.
Sequence:	<p>MESKEERALN NLIVENVNQE NDEKDEKEQV ANKGEPLALP LNVSEYCVPR GNRRRFRVRQ PILQYRWDIM HRLGEPQARM REENMERIGE EVRQLMEKLR EKQLSHSLRA VSTDPPHHDH HDEFCLMP 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.</p>
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 mammalien 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).

Product Details

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
---------	---

Grade:	custom-made
--------	-------------

Target Details

Target:	BEX2
---------	------

Alternative Name:	BEX2 (BEX2 Products)
-------------------	--

Background:	Protein BEX2 (Brain-expressed X-linked protein 2) (hBex2),FUNCTION: Regulator of mitochondrial apoptosis and G1 cell cycle in breast cancer (PubMed:19711341). Protects the breast cancer cells against mitochondrial apoptosis and this effect is mediated through the modulation of BCL2 protein family, which involves the positive regulation of anti-apoptotic member BCL2 and the negative regulation of pro-apoptotic members BAD, BAK1 and PUMA (PubMed:19711341). Required for the normal cell cycle progression during G1 in breast cancer cells through the regulation of CCND1 and CDKN1A (PubMed:19711341). Regulates the level of PP2A regulatory subunit B and PP2A phosphatase activity (PubMed:19711341). In absence of reductive stress, acts as a pseudosubstrate for the CRL2(FEM1B) complex: associates with FEM1B via zinc, thereby preventing association between FEM1B and its substrates (By similarity). {ECO:0000250 UniProtKB:Q9WTZ8, ECO:0000269 PubMed:19711341}.
-------------	---

Molecular Weight:	15.3 kDa
-------------------	----------

UniProt:	Q9BXY8
----------	------------------------

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.
--------------------	--

Application Details

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