

Datasheet for ABIN7556230  
**BEX1 Protein (AA 1-128) (His tag)**



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## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | BEX1  |
| Protein Characteristics:      | AA 1-128                                    |
| Origin:                       | Mouse                                       |
| Source:                       | HEK-293 Cells                               |
| Protein Type:                 | Recombinant                                 |
| Purification tag / Conjugate: | This BEX1 protein is labelled with His tag. |
| Application:                  | SDS-PAGE (SDS), Western Blotting (WB)       |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Custom-made recombinat Bex1 Protein expressed in mammalien cells.   |
| Sequence:        | <p>MESKDQGVKN LNMENDHQKK EEKEEKPQDT IRREPAVALT SEAGKNCAPR GGRRRFRVRQ</p> <p>PIAHYRWDLM QRVGEPQGRM REENVQRFGG DVRQLMEKLR ERQLSHSLRA VSTDPHHDH</p> <p>HDEFCLMP <b>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.</b></p>  |
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> <li>• Made to order protein - from design to production - by highly experienced protein experts.</li> <li>• Protein expressed in mammalien cells and purified in one-step affinity chromatography</li> <li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li> <li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li> </ul> |

## 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: BEX1

Alternative Name: Bex1 ([BEX1 Products](#))

Background: Protein BEX1 (Brain-expressed X-linked protein 1 homolog) (Reduced expression protein 3) (REX-3),FUNCTION: Signaling adapter molecule involved in p75NTR/NGFR signaling (By similarity). Plays a role in cell cycle progression and neuronal differentiation (By similarity). Inhibits neuronal differentiation in response to nerve growth factor (NGF) (By similarity). May act as a link between the cell cycle and neurotrophic factor signaling, possibly by functioning as an upstream modulator of receptor signaling, coordinating biological responses to external signals with internal cellular states (By similarity). 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 (PubMed:34562363). {ECO:0000250|UniProtKB:Q3MKQ2, ECO:0000269|PubMed:34562363}.

Molecular Weight: 15.1 kDa

UniProt: [Q9R224](#)

Pathways: [Neurotrophin Signaling Pathway](#)

## 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

Application Details

|               |                       |
|---------------|-----------------------|
|               | 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  |