

# Recombinant human BEX1 protein

Catalog Number: ATGP2178

## PRODUCT INFORMATION

---

### Expression system

E.coli

### Domain

1-125aa

### UniProt No.

Q9HBH7

### NCBI Accession No.

NP\_060946

### Alternative Names

Brain expressed X-linked 1, Brain expressed, X-linked 1, BEX2, HBEX2, HGR74-h

## PRODUCT SPECIFICATION

---

### Molecular Weight

17.2 kDa (148aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by BCA assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol

### Purity

> 80% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

---

### Description

Brain expressed, X-linked 1, also known as BEX1, is signaling adapter molecule involved in p75NTR/NGFR signaling. This protein plays a role in cell cycle progression and neuronal differentiation. This protein inhibits neuronal differentiation in response to nerve growth factor (NGF). It 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. Recombinant human BEX1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

## Recombinant human BEX1 protein

Catalog Number: ATGP2178

chromatography techniques.

### Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMESEKQR AVNSLSMENA NQENEEKEQV ANKGEPLALP LDAGEYCVPR  
GNRRRFRVRQ PILQYRWDMM HRLGEPQARM REENMERIGE EVRQLMEKLR EKQLSHSLRA VSTDPHHDH HDEFCLMP

### General References

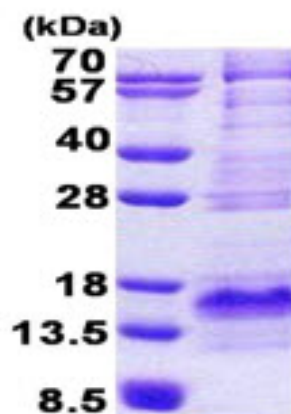
Yang Q.-S., et al. (2002) *Biochem. Genet.* 40:1-12

Quentmeier H., et al. (2005) *Leukemia.* 19:1488-1489

## DATA

---

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)