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## Product Data Sheet

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Product Name: BEX1 Human  
 Cat. No.: GP22872  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BEX2; HBEX2; HGR74-h; Protein BEX1; Brain-expressed X-linked protein 1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMESEKLR AVNSLSMENA NQENEEKEQV ANKGEPLALP LDAGEYCVPR GNRFRFRVRQ PILQYRWDMM HRLGEPQARM REENMERIGE EVRQLMEKLR EKQLSHSLRA VSTDPHHDH HDEFCLMP.		
Formulation	The BEX1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl and 30% glycerol.		

### Introduction

Brain Expressed X-Linked 1 (BEX1) which participates in cell cycle progression and neuronal differentiation, is a signaling adapter molecule involved in p75<sup>NTR</sup>/NGFR signaling. BEX1 inhibits neuronal differentiation in response to nerve growth factor. BEX1 links between the cell cycle and neurotrophic factor signaling by acting as an upstream modulator of receptor signaling, adjusting biological responses to external signals with internal cellular states.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

BEX1 Human Recombinant produced in E. coli is a single polypeptide chain containing 148 amino acids (1-125) and having a molecular mass of 17.2kDa. BEX1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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