

Recombinant Human brain expressed, X-linked 1, His-tagged

Cat. No. BEX1-224H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BEX1, 1-125aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-125 a.a.
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 chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol
Molecular Mass	17.2 kDa (148aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMESEKEK AVNSLSMENA NQENEEKEQV ANKGEPLALP LDAGEYCVPR GNRRRFRVRQ PILQYRWDMM HRLGEPQARM REENMERIGE EVRQLMEKLR EKQLSHSLRA VSTDPPHHDH HDEFCLMP

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Purity	>80% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by BCA assay)
GENE INFORMATION	
Gene Name	BEX1 brain expressed, X-linked 1 [Homo sapiens]
Official Symbol	BEX1
Synonyms	BEX1; brain expressed, X-linked 1; protein BEX1; brain-expressed X-linked protein 1; ovarian granulosa cell 13.0 kDa protein hGR74; BEX2; HBEX2; HGR74-h;
Gene ID	55859
mRNA Refseq	NM_018476
Protein Refseq	NP_060946
MIM	300690
UniProt ID	Q9HBH7
Chromosome Location	Xq21-q23
Pathway	p75(NTR)-mediated signaling, organism-specific biosystem;
Function	RNA polymerase II activating transcription factor binding;

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