BEX1 cDNA Clone – Brain Expressed, X-Linked 1 (Human)

PRODUCT OVERVIEW

Product Name	BEX1, cDNA Clone
Full Product Name	BEX1 cDNA Clone
Product Gene Name	BEX1 cdna clone
Sequence	atggagtcca aagagaaacg agcagtaaac agtctcagca tggaaaatgc caaccaagaa aatgaagaaa aggagcaagt tgctaataaa ggggagccct tggccctccc tttggatgct ggtgaatact gtgtgcctag aggaaatcgt aggcggttcc gcgttaggca gcccatcctg cagtatagat gggatatgat gcataggctt ggagaaccac aggcaaggat gagagaagag aatatggaaa ggattgggga ggaggtgaga cagctgatgg aaaagctgag ggaaaagcag ttgagtcata gtctgcgggc agtcagcact gacccccctc accatgacca tcatgatgag ttttgcctta tgccctga
Molecular Weight	14,860 Da
OMIM	300690
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for BEX1 cdna clone	MBS1270513 is a cDNA clone targeting BEX1.
Other Notes	Small volumes of BEX1 cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BEX1. It may not necessarily be applicable to this product.

NCBI GI #	116497226
NCBI GeneID	55859
NCBI Accession #	BC126427
UniProt Secondary Accession #	Q9NZ33; A0AVN1; A8K4J3
UniProt Related Accession #	Q9HBH7
NCBI Official Full Name	Homo sapiens brain expressed, X-linked 1, mRNA
NCBI Official Synonym Full Names	brain expressed X-linked 1
NCBI Official Symbol	BEX1
NCBI Official Synonym Symbols	BEX2; HBEX2; HGR74-h
UniProt Protein Name	Protein BEX1
UniProt Synonym Protein Names	Brain-expressed X-linked protein 1
Protein Family	Protein
UniProt Gene Name	BEX1
UniProt Entry Name	BEX1_HUMAN

NCBI Protein Information	protein BEX1
UniProt Comments for BEX1	BEX1: Signaling adapter molecule involved in p75NTR/NGFR signaling. Plays a role in cell cycle progression and neuronal differentiation. Inhibits neuronal differentiation in response to nerve growth factor (NGF). 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. Belongs to the BEX family. Protein type: Cell development/differentiation; Cell cycle regulation Chromosomal Location of Human Ortholog: Xq22.1|Xq22 Cellular Component: transcription factor complex Molecular Function: protein binding Biological Process: positive regulation of transcription factor activity; positive regulation of transcription from RNA polymerase II promoter
Research Articles on BEX1	**1.** loss of BEX1 expression in FLT3-ITD driven AML potentiates oncogenic signaling and leads to decreased overall survival
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