

Product datasheet for SC322445

BEX2 (NM_032621) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEX2 (NM_032621) Human Untagged Clone
Tag:	Tag Free
Symbol:	BEX2
Synonyms:	BEX1; DJ79P11.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for SC322445

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CCCGGTGTCCTGAGGACGTGCGGGCCAGGTACGGCCCCGAAAGTAGGAAGCGGAGGGGG
AGCAGGTTTGCAGGGCCCAAGTGTTCGCGCGACGCACCTCACGTCGAGAATCGGGAGGAGG
AGACTGCAAGGATAGGCCCAGGAGTAATGGAGTCCAAGAGGAACGAGCGTTAAACAATC
TCATCGTGGAAAAATGTCAACCAGGAAAAATGATGAAAAAGATGAAAAGGAGCAAGTTGCTA
ATAAAGGGGAGCCCTTGCCCTACCTTTGAATGTTAGTGAATACTGTGTGCCTAGAGGAA
ACCGTAGGCGGTTCCGCGTTAGGCAGCCCATCCTGCAGTATAGATGGGACATAATGCATA
GGCTTGGAGAGCCACAGGCAAGGATGAGAGAGGAGAATATGGAAAGGATTGGGGAGGAGG
TGAGACAGCTGATGAAAAAGCTGAGGGAAAAGCAGTTGAGTCATAGTTTGCGGGCAGTCA
GCACTGATCCCCCTCACCATGACCATCACGATGAGTTTTGCCTTATGCCCTGAATCCTGA
TGGTTTCCCTGAAGTTAATAGGGAGACCCCTGCTTCCTAACTTACACATTTGTGGTGTA
CCTTTGTCGTAAACGTTTTGATGTTACCTATTTCTGTGGGTCTCCTATTACCAGCTTCT
AAATGAATGTTGTTTTGACCCAGTTTGTAAAGTTTCTGTCAGCAGGAGAGTTTTACCTAT
TGCATGGAAGATGCTCATTATATATTGTGAAGTTAATAAACAGTTTTAAAAAGCAAAA
AAAAAAAAAAAA
  
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Restriction Sites: Please inquire

ACCN: NM_032621

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_032621.2</u> , <u>NP_116010.1</u>
RefSeq Size:	878 bp
RefSeq ORF:	387 bp
Locus ID:	84707
UniProt ID:	<u>Q9BXY8</u>
Cytogenetics:	Xq22.2
Domains:	BEX
Gene Summary:	This gene belongs to the brain expressed X-linked gene family. The encoded protein interacts with the transcription factor LIM domain only 2 in a DNA-binding complex that recognizes the E-box element and promotes transcription. This gene has been found to be a tumor suppressor that is silenced in human glioma. In breast cancer cells, this gene product modulates apoptosis in response to estrogen and tamoxifen, and enhances the anti-proliferative effect of tamoxifen. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009] Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1. Variants 3 and 4 encode the same isoform (3).