

## Product datasheet for **SC328251**

### **BEX2 (NM\_001168399) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	BEX2 (NM_001168399) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	BEX2
<b>Synonyms:</b>	BEX1; DJ79P11.1
<b>Mammalian Cell Selection:</b>	None
<b>Vector:</b>	<u><a href="#">pCMV6-XL5</a></u>
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001168399, the custom clone sequence may differ by one or more nucleotides ATGCAGAAAATGGTGGTTTGC GGGGCCAAGTGTTCGCGGCACGCACCTCACGTCGAGAAT CGGGAGGAGGAGACTGCAAGGATAGGCCAGGAGTAATGGAGTCCAAGAGGAACGAGCG TTAAACAATCTCATCGTGAAAAATGTCAACCAGGAAAATGATGAAAAAGATGAAAAGGAG CAAGTTGCTAATAAAGGGGAGCCCTTGGCCCTACCTTTGAATGTTAGTGAATACTGTGTG CCTAGAGGAAACCGTAGGCGTTCCGCGTTAGGCAGCCCATCCTGCAGTATAGATGGGAC ATAATGCATAGGCTTGGAGAGCCACAGGCAAGGATGAGAGAGGAGAATATGAAAAGGATT GGGGAGGAGGTGAGACAGCTGATGGAAAAGCTGAGGGAAAAGCAGTTGAGTCATAGTTTG CGGGCAGTCAGCACTGATCCCCCTCACCATGACCATCACGATGAGTTTTGCCTTATGCC TGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001168399
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).



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**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:** [NM\\_001168399.1](#), [NP\\_001161871.1](#)

**RefSeq Size:** 1100 bp

**RefSeq ORF:** 483 bp

**Locus ID:** 84707

**UniProt ID:** [Q9BXY8](#)

**Cytogenetics:** Xq22.2

**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 (1) represents the longest transcript and encodes the longest isoform (1).