

Product datasheet for **SC127703**

BEX1 (NM_018476) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BEX1 (NM_018476) Human Untagged Clone
Tag:	Tag Free
Symbol:	BEX1
Synonyms:	BEX2; HBEX2; HGR74-h
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127703 sequence for NM_018476 edited (data generated by NextGen Sequencing) ATGGAGTCCAAAGAGAAACGAGCAGTAAACAGTCTCAGCATGGAAAATGCCAACCAAGAA AATGAAGAAAAGGAGCAAGTTGCTAATAAAGGGGAGCCCTTGGCCCTCCCTTTGGATGCT GGTGAATACTGTGTGCCTAGAGGAAATCGTAGGCGGTTCCGCGTTAGGCAGCCCATCCTG CAGTATAGATGGGATATGATGCATAGGCTTGGAGAACCACAGGCAAGGATGAGAGAAGAG AATATGGAAAGGATTGGGGAGGAGGTGAGACAGCTGATGGAAAAGCTGAGGGAAAAGCAG TTGAGTCATAGTCTGCGGGCAGTCAGCACTGACCCCCCTCACCATGACCATCATGATGAG TTTTGCCTTATGCCCTGA Clone variation with respect to NM_018476.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018476 unedited TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCAGCTCCCCGCTGCC TGCGCTCGGCGCGCTGGCATCCGGCCCGGGGAAAGCGGACCAGCCCTTCTGCAGGTCTG CGGGGCCAAGTGTCCCGGCGGCACCTCGTGGCGAGAATCGGGAGAAGGAGGAGACTAC AAGGATAGGCCAGGAGTAATGGAGTCCAAAGAGAAACGAGCAGTAAACAGTCTCAGCAT GGAAAAATGCCAACCAAGAAAATGAAGAAAAGGAGCAAGTTGCTAATAAAGGGGAGCCCTT GGCCCTCCCTTTGGATGCTGGTGAATACTGTGTGCCTAGAGGAAATCGTAGGCGTTCCG CGTTAGGCAGCCATCCTGCAGTATAGATGGGATATGATGCATAGGCTTGAGAAACCACA GGCAAGGATGAGAGAAGAGAATATGAAAAGGATTGGGGAGGAGGTGAGACAGCTGATGGA AAAGCTGAGGGAAAAGCAGTTGAGTCATAGTCTGCGGGCAGTCAGCACTGACCCCTCA CCATGACCATCATGATGAGTTTTGCCTTATGCCCTGAATCCTGATGGTTCCCTAAAGTT ATTACGGAAACAGACCCCTGCTTTCGATTTACATGTTTCATGATGTGCCCTTGTGTAAC CTTTACCTGTCACTTGTTCAGTGGNGTCTCTATTACCAGCTTCTATTGAATATTNGNG TTNTGAACCACTGNTAGATTTTTGTTAGCAGAAGAATTTACCTATTGCATGANAAGA TGCTCATTATAAGTGAAAGTATAAAGCACCTTTAANAAGCANAAAAAAAAAAAAAAGTCTG ACTCTAGATTGCGNGCGCTCATAAATTGTTCTGAACAATCCGGNTGGGATCCTGGGAAC CTCCCCATGC
Restriction Sites:	NotI-NotI
ACCN:	NM_018476
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).
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:	<ol style="list-style-type: none">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_018476.3 , NP_060946.3
RefSeq Size:	862 bp
RefSeq ORF:	378 bp
Locus ID:	55859
UniProt ID:	Q9HBH7
Cytogenetics:	Xq22
Domains:	BEX

Gene Summary:

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 (By similarity).[UniProtKB/Swiss-Prot Function]