

Product datasheet for **RG214365**

BSX (NM_001098169) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BSX (NM_001098169) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BSX
Synonyms:	BSX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG214365 representing NM_001098169 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAATCTCAACTTCACCTCTCCTCTACACCGGCGTCTTCTCAGAGGCCACATCCTTCTTCATCGAGG
 ACATCCTGCTGCACAAGCCCAAGCCGCTGAGAGAGGTGGCCCCAGACCATTTGCCAGCTCTCTGGCCTC
 TCGGGTGCCTCTGCTAGACTATGGCTACCCCTCATGCCACACCCACCCTTTGGCTCCTCAGCCCAT
 CACCCTCTGCATAAGGGAGACCACCATCATCCTTATTTCTCACCACCTCGGGGATGCCAGTCCCAGCGC
 TGTTCCTCCGACCCGAGCAGCGGAGCTGCCGGGAAGCACTGCCGCCGCCGCAAAGCCCGCAGGTTTT
 CTCTGACTCGCAGCTCTCGGGCTTGGAGAAGAGGTTTCGAGATCCAGCGCTACCTGTCCACGCCAGAACGA
 GTGGAGCTGGCCACGGCCCTCAGCCTGTCCGAGACGCAGGTGAAAACGTGGTTCCAGAACC GGCGGATGA
 AGCATAAAAAGCAACTGCGGAAAAGCCAAGACGAACCCAAAGCACCAGACGGGCCAGAAAGCCCCGAGGG
 CAGCCCCCGCGGTTTCAGAGGCCGCCACCGCCGCCGAGGCTCGGCTGAGCCTGCCCGCCGGTCCCTTCGTG
 CTGACCGAGCCAGAGGACGAGGTGGACATTGGAGACGAGGGGGAGCTGGGCTCAGGGCCGCACGTGCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

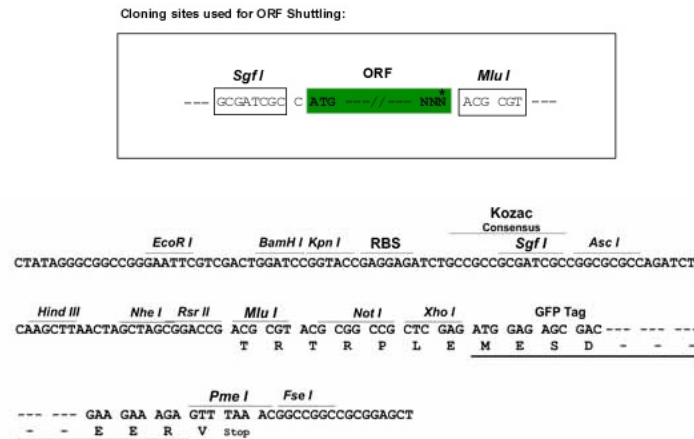
Protein Sequence: >RG214365 representing NM_001098169
 Red=Cloning site Green=Tags(s)

MNLNFTSPLHPASSQRPTSFFIEDILLHKPKPLREVAPDHFASSLASRVPLLDYGYPLMPTPTLLAPHAH
 HPLHKGDHHHPYFLTTSGMPVPALFHPQHAELPGKHCRRRKARTVFSDSLGLSKRFEIQRYLSTPER
 VELATALSLSETQVKTWFQNRMKHKKQLRKSQDEPKAPDGPESPEGSRGSEAAATAEARLSLPAGPFV
 LTEPEDEVDIGEGELGSGPHVL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001098169

ORF Size: 699 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001098169.2](#)

RefSeq Size: 702 bp

RefSeq ORF: 702 bp

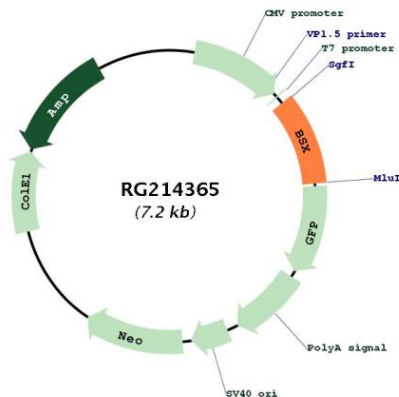
Locus ID: 390259

UniProt ID: [Q3C1V8](#)

Cytogenetics: 11q24.1

Gene Summary: DNA binding protein that function as transcriptional activator. Is essential for normal postnatal growth and nursing. Is an essential factor for neuronal neuropeptide Y and agouti-related peptide function and locomotory behavior in the control of energy balance (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214365