

Product datasheet for **RG211844**

SIX5 (NM_175875) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	SIX5
Synonyms:	BOR2; DMAHP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG211844 representing NM_175875
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGCGGCCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTACCTTGCCTGCGGAGCCGAGCGCGGGCCGGCGGCTGGGGGGAGGCGGTGGCGGCGCGCGG
 CGACCGAAGAGGAGGAGGAGGAAGCGCGCAGCTCTTGACAGACTTTGACAGCGGCCGAGGGTGAGGCGGC
 GGCGGCGGCCGGGGCCGGGGCGGGCGCAGCGGCTGCGGGAGCTGAGGGCCCGGGATCCCCGGGCGTCCCC
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 GCTGCTGGAAGCGGAAAGGGGCTGGGGACACAGGCCCCCCACACCGTGTGAGGCTGCCAGACCCGAC
 CCTGAGGGGCTGCTCTGGGGGCCACCGCAGGGGTGAGGTTGACGAGGGTTGGAAGCTGAGGCCAAGG
 TTCTGACCCAGCTCCAGTCGGTGCCTGTGAGGAGCCCTTGGAAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence:

>RG211844 representing NM_175875

Red=Cloning site Green=Tags(s)

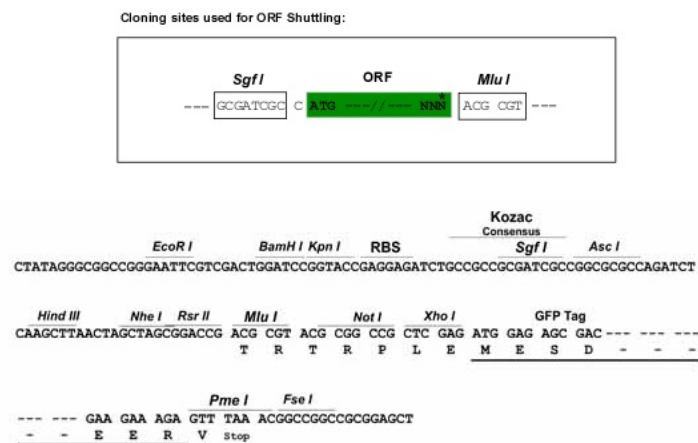
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VGPLQLLAAGPGSPVKVAAAAGPANVHLINSGVGTALQLPSATAPGNFLLANPVSGSPIVTGVAVQQGK
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STSLPFSPDSPGLLPNFPAPPPEGLMLSPAAPVWSAGLELSAGTEGLLEAEKGLGTQAPHTVLRPLDPDP
PEGLLLGATAGGEVDEGLEAEAKVLTQLQSVPVVEEPELE

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_175875

ORF Size:

2217 bp

OTI Disclaimer:

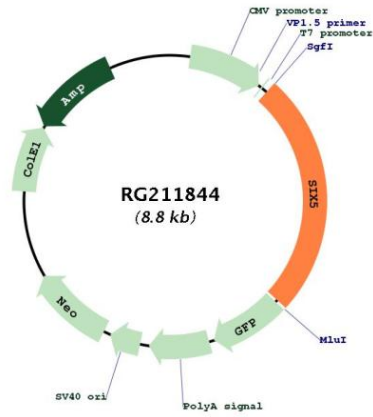
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_175875.4
RefSeq Size:	3145 bp
RefSeq ORF:	2220 bp
Locus ID:	147912
UniProt ID:	Q8N196
Cytogenetics:	19q13.32
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is a homeodomain-containing transcription factor that appears to function in the regulation of organogenesis. This gene is located downstream of the dystrophia myotonica-protein kinase gene. Mutations in this gene are a cause of branchiootorenal syndrome type 2. [provided by RefSeq, Jul 2009]

Product images:



Circular map for RG211844