

## Product datasheet for **RG216184**

### SSX5 (NM\_175723) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SSX5 (NM\_175723) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SSX5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG216184 representing NM\_175723  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAACATCTCTGGGTCTCTGTTTCCTGTTCTGCAAAATGGGGTACTGTCTACTTGCCCCAGGGACCT  
GCTGTGCTGAGGATCATTCCCAGGAAGCACCTAGCACCATGCTGGGTCTGGCAAGCCACTGACAAATGT  
TCACTGTCACAATGGCCCTGCTTCCTCTGGTGCTCGGCACCAGGCTGACATCGAGTACACAGTCAATGAA  
GAAACAAGGAGACTCTGCAAGGAGATACAT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG216184 representing NM\_175723  
Red=Cloning site Green=Tags(s)  
MQHLWVSVSCSAKWGYCLLAPGTCCAEDHSQEAPSTMLGPGKPLTNVHCHNGPASSGARHQADIEYTVNE  
ETRRLCKEIH

**TRTRPLE** - GFP Tag - V

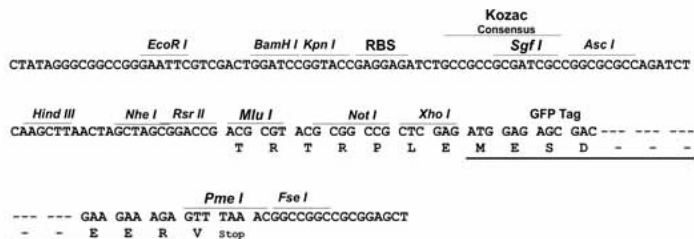
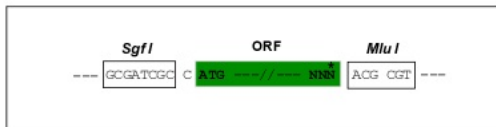
**Restriction Sites:** SgfI-MluI



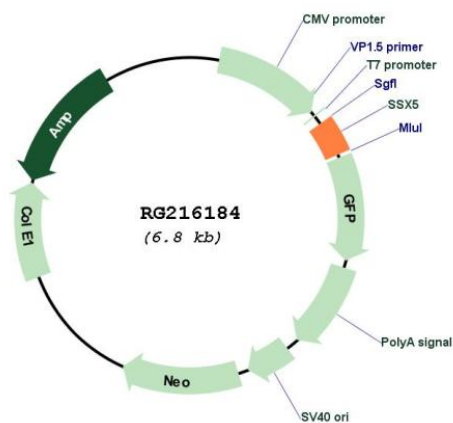
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_175723  
 ORF Size: 564 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_175723.1</a> , <a href="#">NP_783729.1</a>
<b>RefSeq Size:</b>	1276 bp
<b>RefSeq ORF:</b>	567 bp
<b>Locus ID:</b>	6758
<b>UniProt ID:</b>	<a href="#">O60225</a>
<b>Cytogenetics:</b>	Xp11.23
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	The product of this gene belongs to the family of highly homologous synovial sarcoma X (SSX) breakpoint proteins. These proteins may function as transcriptional repressors. They are also capable of eliciting spontaneous humoral and cellular immune responses in cancer patients, and are potentially useful targets in cancer vaccine-based immunotherapy. While some of the related SSX genes are involved in t(X;18)(p11.2;q11.2) translocations that are characteristically found in all synovial sarcomas, this gene does not appear to be involved in such translocations. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2013]