

# Product datasheet for RG213139

## ZSWIM7 (NM\_001042698) Human Tagged ORF Clone

## **Product data:**

#### OriGene Technologies, Inc.

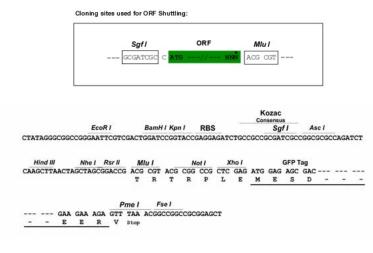
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	ZSWIM7 (NM_001042698) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZSWIM7
Synonyms:	SWS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;RG213139 representing NM_001042698 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCCGTAGTGTTGCCGGCGGTTGTGGAGGAGGAGCTCCTGAGCGAGATGGCGGCGGCGGCGGCGGAGAGAGCG CGCGAATTCCTGATGAATATCTGTTATCGCTGAAGTTTCTCTTTGGCTCATCAGCCACCCAGGCCTTGGA CCTAGTTGATCGACAGTCCATCACCTTAATCTCATCACCCAGTGGAAGGCGTGTTTACCAGGTCCTTGGA AGTTCCAGTAAAACATACACATGTTTGGCTTCTTGTCATTACTGTTCATGTCCTGCATTTGCATTCTCAG TGCTACGGAAGAGTGACAGCATCCTGTGCAAGCATCTCTTGGCAGTTTACCTGAGTCAGGTATGAGGAC CTGTCAGCAGCTAAGTGTCTCTGACAAGCAGTTGACTGAC
	ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>RG213139 representing NM_001042698 <mark>Red</mark> =Cloning site Green=Tags(s)
	MAVVLPAVVEELLSEMAAAVQESARIPDEYLLSLKFLFGSSATQALDLVDRQSITLISSPSGRRVYQVLG SSSKTYTCLASCHYCSCPAFAFSVLRKSDSILCKHLLAVYLSQVMRTCQQLSVSDKQLTDILLMEKKQEA
	TRTRPLE - GFP Tag - V
<b>Restriction Sites:</b>	Sgfl-Mlul

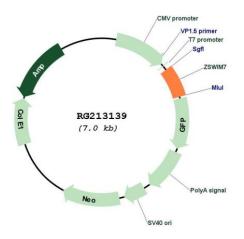


This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

#### **Cloning Scheme:**



Plasmid Map:



ACCN: ORF Size: OTI Disclaimer:

### NM\_001042698

#### 420 bp

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. <u>More info</u>

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

SWIM7 (NM_001042698) Human Tagged ORF Clone – RG213139	
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:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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>
RefSeq:	<u>NM 001042698.2</u>
RefSeq Size:	1878 bp
RefSeq ORF:	423 bp
Locus ID:	125150
UniProt ID:	<u>Q19AV6</u>
Cytogenetics:	17p12
Gene Summary:	Involved in early stages of the homologous recombination repair (HRR) pathway of double- stranded DNA breaks arising during DNA replication or induced by DNA-damaging agents. [UniProtKB/Swiss-Prot Function]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2022 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US