

Product datasheet for **RG206330**

ZSWIM2 (NM_182521) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZSWIM2
Synonyms:	MEX; ZZZ2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG206330 representing NM_182521
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTTCGCCGAGGCTATAAGGCCTCTGAAAGGCGAAGACACTTGAGCGAGAGGCTCAGCTGGCACCAAG
 ACCAGGCGCTGAGTAGCAGCATCTACCTCTACGAGAGATGGGCCCCACTGGCTTCCTGCTGAGGGAGGA
 GGAGCCGGAATACATGGATTTCCGAGTTTTTCTAGGAAATCCTCACGTTTGTAAGTGTTCACATTTCCG
 AAAGGAGGGGAACCTTTGTAAGCATATCTGCTGGGTCTTGTTGAAAAATTCGAGCTTCCAAGGAACCATG
 AATCTGCTTTACAACCTGGGCTTTGGAGAAAGAGAGATAAGTGACTTGCTTCGGGGGATACATCGAGTTCA
 AACTCCCCAACCGAGGAACAAATGACGAGAAATGAACATGTTGAAGAAGATGGGTACATTAACAGAGAAGAA
 ATTGATTACAGAGGATATCTGCTCTATTTGTCAAGAGCTACTTTTAGAGAAAAAGCTTCTGTACACCTTTT
 GCAGGTTTGGCTGTGGCAATAGTATTCATATAAAATGCATGAAGATCTTAGCTAATTATCAGAGTACATC
 AAACACTTCCATGTTGAAATGTCCTCTGTGCAGGAAAGAGTTTGCACCATTAACCTGATTTTGGAGGAA
 TTCAAAAACTCTAGCAAACTAGTAGCTGCAGCAGAAAAAGAGAGACTGGACAAACACCTTGGGATTCCTT
 GTAATAACTGCAACAGTTTCCAATTGAGGGGAAGTGTATAAGTGTACCGAATGCATAGAATATCACTT
 ATGCCAGGAATGTTTTGATAGCTACTGCCATCTTCCACACGTTTACATTTCTGTGAGAAAAAGAAACCA
 AAATGGAGATCACTAGAAAAAGAGCAGATGAAGTTGTAATAACATAGATACTAAAAATGAGACTGAAG
 AAAAGATGTACATTTTCAAGAAAAGCAAGGCCAAGTTTACACACCAAAACACATTGTAAGATCACTGCC
 TCTCCAACCTGATTACTAAGAATAGTAAGCTGCTTGTCCAGGCTACCAGTGTCTACTTTGTTGAAGGCA
 TTTTCTCTTGGTCAACATACAAGATTGCTACCATGTACTACAAGTTTACAGGAAGTGTATTGACAACCT
 GGTTATTCACAAGTGAATTCATGCCCTATTGGTGGACAAGTTATATAACCCCTTAACTTGGAAAAA
 TTCAGCAGTGAATGGACAAGCAGCATCAGTCTGTTTCAAACAGAGACATCATTCTATCAAAAGCAGAAA
 GAACAGATCTTTTTATTCTGGTACTGGATTAGTCTTAAACAAAATAGACTTGAATTTTACCTAGCA
 TACCTCAGTGAATTTTATGAATGAATACACCTCAAAGCCCAAAGATGCCTATGAAAAACACAAT
 AGATAATCTATGCTCTATCAAAATAGATAATTCAAATTCAAAAAATTAACTATGAATATAAAATTAGC
 CAACATTTTCCAGGTATCTTCAAGATTTACCCACTGTATCATTTGGGAAAAATACCATCTCAAACTGC
 TTCTCTCTATTGTTTATAAGAATATTGTATGTCCCACTGCAATGGAAGTCCATGCATCAGTGGAAAAA
 TCACACTAGTCTAAGCCGGTGACCAAGGCTGTAATGTAATAACCAACCTAAAGAAGACTCCTGCC
 ACTAAAATAAGAGAGGACAACAAGCATCACTTTACTTCCAGAGGATTTCAATCTTATTGTCAATTGGA
 GCACAGCTAACTTAGTTTGTCTAAAAGGTATAGTAAGTGTATGGGGGAAATTACACGAAATGTAGTCA
 TCTATCAAGACAGCCTGTGTCTCACTCTGTAATACAAAAAGTACTGAGCTATCTTTAATAATAGAAGGG
 GTTCAATTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

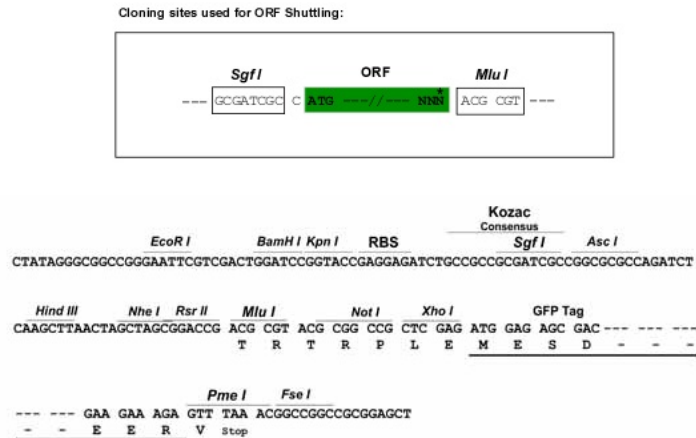
Protein Sequence: >RG206330 representing NM_182521
 Red=Cloning site Green=Tags(s)

MLRRGYKASERRRHL SERLSWHQDQALSSSIYLLREMGP TGFLREEEPEYMDFRVFLGNPHVCNCSTFP
 KGGELCKHICWVLLKKFELPRNHESALQLGLGEREISDLLRGIHRVQTPQPGTNDENEHVEEDGYIKQKE
 IDSEDICSIQELLEKKLPVTF CRFGCGNSIHIKCMKILANYQSTSNTSMLKCPLCRKEFAPLKLILEE
 FKNSSKLVA AEKERL DKHLGIPCNCKQFP IEGKCYKCTECIEYHLCQECFDSYCHLSHTFTFREKRNQ
 KWRSLEKRADEVVKYIDTKNETEEKMSHFQEKQGQVYTPKHIVRSLPLQLITKNSKLLAPGYQCLLCLKA
 FHLGQHTRLLPCTHKFHRKCIDNWL FHKCNSCP IGGQVIYNPLTWKNSAVNGQAHQS VSNRDI IHL SKQK
 EPDLFIPGTGLVLKQNRGLGILPSIPQCNFDELNTPQSPKDAYENTTIDNLSIKLDNSNSKKLT YEYKIS
 QHFRYLQDLPTVSFGKIPSQTL LPIVHKNI VCP TAMESPCISGKYHTSLSRVTKGCKCNNHNLKKT PA
 TKIREDNKRSTLLPEDFNLIVNWSTAKLSLSKRYSNMGEITRKCSHLSRQPVSHSVNTKSTELSLIIEG
 VQL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_182521

ORF Size: 1899 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:

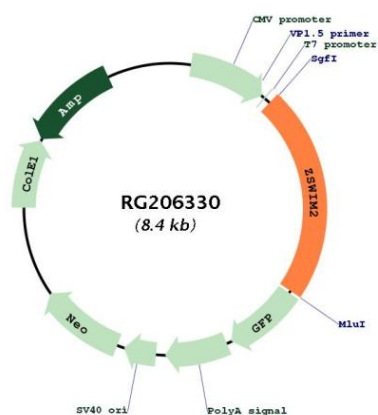
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_182521.1](#)

RefSeq Size:	2446 bp
RefSeq ORF:	1902 bp
Locus ID:	151112
UniProt ID:	Q8NEG5
Cytogenetics:	2q32.1
Gene Summary:	E3 ubiquitin-protein ligase involved in the regulation of Fas-, DR3- and DR4-mediated apoptosis. Functions in conjunction with the UBE2D1, UBE2D3 and UBE2E1 E2 ubiquitin-conjugating enzymes.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206330