

Product datasheet for **RG205573**

ZSWIM3 (NM_080752) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZSWIM3 (NM_080752) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZSWIM3
Synonyms:	C20orf164; PPP1R174
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RG205573 representing NM_080752
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAGCTGGCAGCTGCTTCAAGACCTATGAGGACTTCAAGGAGTGCTCAGCGCTACAAAAGGGAGA
 ACAGGTGCTCCTTCATTCTCAGGGACTGCGTCTCCGTCCGCTTCCACAACCTCAACCATGGCACCTCCAT
 CCGCGAAGACATCCTGTATGTGCAGGTGAAATTTGTCTGCATTCCGACCCAATCAACAGGAAGAGAAGC
 CGGGAGGCAGACATGTGCCAGCGTACTTGCTCTAAGGTACAACGAGAGACTAGATAGACTATTTATCA
 GTGAACTAAACACACAGCACATACATGGTGACTCTAAAGTGGCTAGTCCTGGAGGAGACACCACTGGCAA
 ATCTCAAAAGACAATGTGCCTGCAGAGACTCCAGCCTGTGCAGCCACAACCAAAAAAGACCTTGACACT
 GCCGAGAAGTCCCTGGTTGAGCCATCGTTTGCCTAGATAAGGTACAAGTGTCTCAAAGCCAGAGCAGG
 AAGGCATCACTCCTTCTGACCTGGCCAAGATAGCAAAAGTGATGAAGAACTTTCTTAAGGTAGATGAGGG
 TTCCATGGCTTCTTCACTGTGGTGACAGCCAGCACCTGGACCGGCTCAGCTTCCAGAGCAGTAAGATG
 ACCGACCTGTTTATCCGCTTCCAGAGAATCTCTTGCTACACCGGGTGGAGAACCCAGGGCCACATCC
 TCTATGCTTTCTTGGTGGAGAACAAGGAACGAGAAAGTCGAGTGGTGCACTTTGTGTGTCTAAGGCGGA
 GACAGTCACCTCTGTGGCCAAGATGCTGAGCATCTTACAGAGTTCAACTCCGATTGGCCCAAGGTCAAG
 GTGGTCTTTGTGGACCTTCATTCCATTACCGGCTATCCTGCAGGAGATCTTTCCTGCTGCCCGCATCC
 TCCTTTCCATCTACCACACAACCCGACTCTTGGAAGAAGTTGCATCGTAGTTCAGCAATCCATCCTT
 TAAAAGGCTCATGAAGGAAGCCCTGCGGGAGGCCGTGTTTGTCACTTCTGAAGCCAGCCTGAAAAATCTC
 TGCCAGATGTCCAGGCCGTACTGGATGAGGATCTCTTCACTTCTGCAGGCCCACTGGTTCACCTGTG
 AACTGCTGTGGTACATGCATGTTAGGAAGGGCTGCTTGCCTGTAAACCTACATGGACAGCCTAGACAT
 TGTCAACGACAAGGTGTCAAGCCTCTTTCGGGAACAGCAGTCGCTGCTGGACTGCATCCTCTGCTTTGTG
 GATTACATAGACTTCTTTAATACCAAAGGCTTGAAGAATTGCCACACCTCCTCCCAAATTAAGAGAG
 CTCGGCCGGCAAGCATGCCACTGAAGTCCAAGAAGGCTTTTGAATCTGTGGAGAGAGCCTTACCAGCCT
 CCCTGCAGAAGAGACCAAGCCAGACGCACAGCAGGTACAGGTACAGCAGCAGTCACAAGTGCCGCCCTCG
 CAGGTTGGCATGCTGGACACCTTGACACAGAGTGGCTCTGAAGTACCTACAAGCTGTGCCACAATGAGT
 GGGAGGTGGTACAGAATCCACCCACCTGGTGGACATGGCTGGCTTTCAGTGGACGTTCACTGCTAGA
 GGACTCTCACCAGTTAGCAAAGATGGCTGTAGCTGCAGCTGTTCTTTCAACAATGGTACCACCTGCCA
 TGCCGACACATTTTGGCTCTGCTGCACACCAGCCAGCAGCCGGTTGGTGAAGCCATGGTGTGCCGCCGT
 GGCAGAAGAAGTACCAGTACCTCCTTGGGCCAATGGGGAGCTCCAGGATCGTGGTATGGTCCCAACAC
 AGGCCAGCCTGAGAAGCAAGGACGGAACGACATGATTACAGGACCTAAGCAGGGAGTTAGCAACCTGCTC
 ATGCAGACCGAGGGGCCAGAGCTGGAGGAACGCTACTCCACCCTGCGCAAGATTGTGGATATCTGGGCTG
 GCCCTCCAGCCATCTGAGCTCTTTCAGCAGCCAGGAGACTTTAAGGACGTGGGCCGCTCCCTTTCTC
 CTGGGGAAGCAAGAAGAAGGGAGGGATTCCCTCCTGCTACAGCTGTGATGCATTAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG205573 representing NM_080752
 Red=Cloning site Green=Tags(s)

MELGSCFKTYEDFKECFSAWKRENRCSEILRDCVSVRFHNLNHGTSIREDILYVQVQVFCIRTQSNRKRT
 READMCPAYLLRLRYNERLDRLFISELNTQHIHGDSKVASPGDDTGKSQKTMCLQRLQPVQPTTKDLDT
 AEKSLVEPSFCLDKVQVSSKPEQEGITPSDLAKIAKVMKNFLKVDEGSMASFVSGDSQHLDRLSFQSSKM
 TDLFIRFPENLLHRVENTQGHILYAFLVENKERESRVVHFAVLKAETVTSVAKMLSIFTEFNSDWPVKV
 VVFVDPSFHYRAILQEIFPAARILLSIYHTTRLLEKKLHRSSANPSFKRLMKEALREAVFVTSEASLKNL
 CQMSQAVLDEDLFNFLQAHWFTCELLWYMHVRKGLLACNTYMDSLDIVTSKVSSLFREQQSLDCILCFV
 DYIDFFNTKGLKNLPTPPKLRARPASMPKSKKAFGICGESLTSAPAEETKPDAAQVQVQVQVQVPPS
 QVGMLDTLHQSGSELAYKLCHNEWEVVQNSTHLVDMAGSSVDVQLLEDSSHQVSKDGCSCSCSFQQWYHLP
 CRHILALLHTSQQPVGEAMVCRRWQKKYQYLLGPNGELQDRGMVPNTGQPEKQGRNDMIQDLRELANLL
 MQTEGPELEERYSTLRKIVDIWAGPSQPSSELFQQPGDFKDVGRPLFLWGKQEEGEGFPATAVMHY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080752

ORF Size: 2088 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_080752.4](#)

RefSeq Size: 2789 bp

RefSeq ORF: 2091 bp

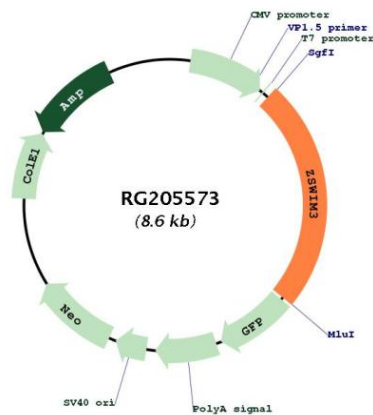
Locus ID: 140831

UniProt ID: [Q96MP5](#)

Cytogenetics: 20q13.12

Domains: ZnF_PMZ, SWIM

Product images:



Circular map for RG205573