

## Product datasheet for **SC318680**

### ZSWIM8 (NM\_015037) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZSWIM8 (NM\_015037) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ZSWIM8  
**Synonyms:** KIAA0913  
**Vector:** pCMV6 series  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_015037, the custom clone sequence may differ by one or more nucleotides

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 AAGCGCAGCAAACAGACCAAGGAGCTGTGGCAGCGGGTCTCACTCGAGATGGCCACCTTC  
 TCCCC

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_015037
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_015037.2</a></u> , <u><a href="#">NP_055852.2</a></u>
<b>RefSeq Size:</b>	5851 bp
<b>RefSeq ORF:</b>	5529 bp
<b>Locus ID:</b>	23053
<b>UniProt ID:</b>	<u><a href="#">A7E2V4</a></u>
<b>Cytogenetics:</b>	10q22.2

**Gene Summary:**

Substrate recognition component of a SCF-like E3 ubiquitin-protein ligase complex that promotes target-directed microRNA degradation (TDMD), a process that mediates degradation of microRNAs (miRNAs) (PubMed:33184234, PubMed:33184237). The SCF-like E3 ubiquitin-protein ligase complex acts by catalyzing ubiquitination and subsequent degradation of AGO proteins (AGO1, AGO2, AGO3 and/or AGO4), thereby exposing miRNAs for degradation (PubMed:33184234, PubMed:33184237). Specifically recognizes and binds AGO proteins when they are engaged with a TDMD target (PubMed:33184234). May also acts as a regulator of axon guidance: specifically recognizes misfolded ROBO3 and promotes its ubiquitination and subsequent degradation (PubMed:24012004).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform (1).