

Product datasheet for **SC331818**

ZSWIM8 (NM_001242487) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZSWIM8 (NM_001242487) Human Untagged Clone
Tag: Tag Free
Symbol: ZSWIM8
Synonyms: KIAA0913
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331818 representing NM_001242487.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001242487
Insert Size:	5514 bp
OTI Disclaimer:	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).
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 style="list-style-type: none">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.
RefSeq:	NM_001242487.1
RefSeq Size:	6062 bp
RefSeq ORF:	5514 bp
Locus ID:	23053
UniProt ID:	A7E2V4
Cytogenetics:	10q22.2
MW:	197.3 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>