

## Product datasheet for **SC307401**

### STRA8 (NM\_182489) Human Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | STRA8 (NM_182489) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | STRA8  |
| Mammalian Cell Selection: | None   |
| Vector:                   | <u>pCMV6-XL5</u>   |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| Fully Sequenced ORF:      | <p>&gt;OriGene sequence for NM_182489 edited</p> <pre> ATGGGGAAGATTGATGTGGACAAGATCCTCTTTTTCAATCAAGAAATCAGGCTGTGGCAG CTTATAATGGCAACCCCTGAAGAAAACAGCAATCCCATGACAGAGCAACACCCAGCTG CCAGCACAGCTGCAGGAGCTTGAGCATCGGGTGGCCCGGAGACGGCTGTCCAGGCCCGC CACCGAGCCACCCTGGCAGCGCTCTTCAACAACCTCAGGAAGACAGTGTACTCTCAGTCT GATCTCATAGCCTCAAAGTGGCAGGTTCTGAATAAGGCAAAGAGTCATATTCCAGAACTG GAGCAAACCTGGATAATTTGCTGAAGCTGAAAGCATCCTTCAACCTGGAAGATGGGCAT GCAAGCAGCTTAGAGGAGGTCAAGAAAGAATATGCCAGCATGTATTCTGGAAATGACAGC CTGCTTTCAAACAGTTTTCTCAGAATGGTTCTCCCCTTGGTGCCCAACTGAGGCAGTC AGGAAGGATGCTGAGGAGGAGGAAGATGAGGAAGAGGAAGATCAAGAAGAAGAGGAGGAG GAAGAAGAAGAGGAGGAGGAGGAGGAAGAGGAGGAAGAGGAAGAGGAGGAGGAGGAGGAG GAGAAAAAAGTGATCTTATACTCCCAGGAACTTTGTGCGCTGACCTCATGGAATTTGAA CGGTATCTCAACTTTTACAAACAGACGATGGACCTTCTGACTGGCAGCGGGATCATTACC CCGCAGGAGGCGCGCTGCCATCGTCTCCGCGGCCATCTCCACCTGTGGCAGAACCTC TCGGAGGAGAGGAAGGCCAGCCTCCGGCAGGCCTGGGCGCAGAAGCACCGCGGCCCTGCG ACCCTGGCGGAGGCTGCCGAGAGCCGGCCTGTGCCGAGGCGAGCGTGAAGGACAGCGGC GTGGACAGCCAGGGGCCAGCTGCTCGTGGTCTCCACGCCCAGGAGATCCTTTTTGAG GATGCCTTTGATGTGGCAAGCTTCTGGACAAAAGTGAGGTTCCGAGTACATCTAGCTCC AGTTCAGTGCTTGCCAGCTGCAACCCAGAAAACCCAGAGGAGAAGTTTCAGCTCTATATG CAGATCATCAACTTTTTAAAGGCTTAGCTGTGCAAACACTCAAGTAAAGCAGGAAGCA TCTTTCCCGTTGATGAAGAGATGATCATGTTGCAGTGCACAGAGACCTTTGACGATGAA GATTTGTAA</pre> |



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|                                     |  |
|-------------------------------------|--|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_182489 unedited<br/> GTCGATTATGTATACGACTCCTATAGGGCGGCCGGAATTCGCCCTTATGGGGAAGATTG<br/> ATGTGGACAAGATCCTCTTTTTCAATCAAGAAATCAGGCTGTGGCAGCTTATAATGGCAA<br/> CCCCTGAAGAAAACAGCAATCCCATGACAGAGCAACACCCAGCTGCCAGCACAGCTGC<br/> AGGAGCTTGAGCATCGGGTGGCCCGGAGACGGCTGTCCCAGGCCGCCACCGAGCCACCC<br/> TGGCAGCGCTCTTCAACAACCTCAGGAAGACAGTGTACTCTCAGTCTGATCTCATAGCCT<br/> CAAAGTGGCAGGTTCTGAATAAGGCAAAGAGTCATATTCCAGAAGTGGAGCAAACCTGG<br/> ATAATTTGCTGAAGCTGAAAGCATCCTTCAACCTGGAAGATGGGCATGCAAGCAGCTTAG<br/> AGGAGGTCAAGAAAGAATATGCCAGCATGTATTCTGAAAATGACAGCCTGCTTTCAAACA<br/> GTTTTCTCAGAAATGGTTCCTCCCTTGGTGCCCAACTGAGGCAGTCAGGAAGGATGCTG<br/> AGGAGGAGGAAGATGAGGAAGAGGAAGATCAAGAAGAAGAGGAGGAGGAAGAAGAAGAGG<br/> AGGAGGAGGAGGAAGAGGAGGAAGAGGAAGAGGAGGAGGAGGAAGAGGAGAAAAAAGTGA<br/> TCTTATACTCCCAGGAACCTTTGTCGCCTGACCTCATGGAATTTGAACGGTATCTCAACT<br/> TTTACAAAACAGACGATGGACCTTCTGACTGGCAGCGGGATCATTACCCCGCAGAGGCGGC<br/> GCTGCCCATCGTCTCCGCGGCCATCTCCACCTGTGGCAGACCCTCTCGAGGAGAGGAAG<br/> GCCAGCCTCGGCAGCCTGGGCGCAGAGCACCGCGCCCTGCGACCCTGCGGAGCCTGCGA<br/> AGCGCTGTGCCGAGGGCACGTGAAGAACAGCGGCGTGGACAGCCAGGGCCAGCTGC</p> |
| <b>Restriction Sites:</b>           | Please inquire   |
| <b>ACCN:</b>                        | NM_182489  |
| <b>Insert Size:</b>                 | 1200 bp  |
| <b>OTI Disclaimer:</b>              | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>   |
| <b>OTI Annotation:</b>              | The open reading frame of this TrueClone was fully sequenced and found to differ from the protein associated to this reference by two in-frame insertions.   |
| <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>  |

RefSeq: [NM\\_182489.1](#), [NP\\_872295.1](#)

RefSeq Size: 993 bp

RefSeq ORF: 993 bp

Locus ID: 346673

UniProt ID: [Q7Z7C7](#)

Cytogenetics: 7q33

**Gene Summary:** This gene encodes a retinoic acid-responsive protein. A homologous protein in mouse has been shown to be involved in the regulation of meiotic initiation in both spermatogenesis and oogenesis, though feature differences between the mouse and human proteins suggest that these homologs are not entirely functionally equivalent. It is thought that this gene may play a role in spermatogenesis in humans. [provided by RefSeq, Nov 2010]