

Product datasheet for **SC325269**

STRA6 (NM_001142617) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STRA6 (NM_001142617) Human Untagged Clone
Tag:	Tag Free
Symbol:	STRA6
Synonyms:	MCOPCB8; MCOPS9; PP14296
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001142617 edited
 CCAGAAAGGGGCAGGCTGAGGCTGGGGAGGGGCTCAAGGGAGCCAGCTGGGAGGGCCC
 AGGCAGGCAGTGCAGGAGCTGGCCGTGGGCTGCCTACCCTTTCATCTCTGCAACTCCTTCC
 TCCCTGGGCTCCCTTCTGGAGAAGGGCCAGAGAATGTCGTCCCAGCCAGCAGGGAAACCA
 GACCTCCCCGGGGCCACAGAGGACTACTCCTATGGCAGCTGGTACATCGATGAGCCCCA
 GGGGGGCGAGGAGCTCCAGCCAGAGGGGAAGTGCCTCCTGCCACACCAGCATAACCACC
 CGGCCTGTACCAGCCTGCCTGGCCTCGCTGTCAATCCTTGTGCTGCTGCTCCTGGCCAT
 GCTGGTGAGGCGCCAGCTCTGGCCTGACTGTGTGCTGCGTGGCAGGCCCGCCTGCCAG
 CCCTGTGGATTTCTTGGCTGGGGACAGGCCCGGGCAGTGCCTGCTGCTGTTTTCATGGT
 CCTCCTGAGCTCCCTGTGTTTGTGCTCCCCGACGAGGACGCATTGCCCTTCTGACTCT
 CGCCTCAGCACCCAGCCAAGATGGGAAAAGTGGGCTCCAAGAGGGGCCTGGAAGATACT
 GGGACTGTTCTATTATGCTGCCCTACTACCCTTGGCTGCCTGTGCCACGGCTGGCCA
 CACAGCTGCACACCTGCTCGGCAGCAGCTGTCTGGGCCACCTTGGGGTCCAGGTCTG
 GCAGAGGGCAGAGTGTCCCAGGTGCCAAGATCTACAAGTACTACTCCCTGCTGGCCTC
 CCTGCCTCCTGCTGGGCTCGGATTCTGAGCCTTTGGTACCCTGTGCAGCTGGTGGAG
 AAGCTTACGCCGTAGGACAGGAGCAGGCTCCAAGGGGCTGCAGAGCAGCTACTCTGAGGA
 ATATCTGAGGAACCTCCTTTCAGGAAGAAGCTGGGAAGCAGCTACCACACCTCCAAGCA
 TGGCTTCTGTCTGGGCCCGCTGTGCTTGGACACTGCATCTACACTCCACAGCCAGG
 ATTCCATCTCCCGCTGAAGCTGGTGGTTCAGCTACACTGACAGGGACGGCCATTTACCA
 GGTGGCCCTGTGCTGCTGGTGGGCGTGGTACCCACTATCCAGAAGGTGAGGGCAGGGGT
 CACCACGGATGTCTCCTACCTGCTGGCCAGCTTGGAAATCGTGTCTCCGAGGACAAGCA
 GGAGGTGGTGGAGCTGGTGAAGCACCATCTGTGGGCTCTGGAAGTGTGCTACATCTCAGC
 CTTGGTCTTGTCTGCTTACTCACCTTCTGGTCTGATGCGCTCACTGGTGCACACAG
 GACCAACCTTCGAGCTCTGCACCGAGGAGCTGCCCTGGACTTGAGTCCCTTGCATCGGAG
 TCCCCATCCCTCCCGCCAAGCCATATTCTGTTGGATGAGCTTCACTGCCTACCAGACAGC
 CTTTATCTGCCTTGGGCTCCTGGTGCAGCAGATCATCTTCTTCCCTGGGAACCACGGCCCT
 GGCCTTCTGGTGTGCTGCTGCTCCATGGCAGGAACCTCCTGCTCTTCCGTTCCT
 GGAGTCTCGTGGCCCTTCTGGCTGACTTTGGCCCTGGCTGTGATCCTGCAGAACATGGC
 AGCCCATTTGGGTCTTCTGGAGACTCATGATGGACACCCACAGCTGACCAACCGGCGAGT
 GCTCTATGCAGCCACCTTTCTTCTTCCCCCTCAATGTGCTGGTGGGTGCCATGGTGGC
 CACCTGGCGAGTGTCTCTCTGCCCTCTACAACGCCATCCACCTTGGCCAGATGGACCT
 CAGCCTGTGCCACCGAGAGCCGCACTCTCGACCCCGGCTACTACACGTACCGAAACTT
 CTTGAAGATTGAAGTCAAGCCAGTCCGATCCAGCCATGACAGCCTTCTGCTCCCTGCTCCT
 GCAAGCGCAGAGCCTCCTACCCAGGACCATGGCAGCCCCCAGGACAGCCTCAGACCAGG
 GGAGGAAGACGAAGGGATGCAGCTGCTACAGACAAAGGACTCCATGGCCAAGGGAGCTAG
 GCCCGGGGCCAGCCGCGGAGGGCTCGCTGGGGTCTGGCCTACACGCTGCTGCACAACCC
 AACCTGCAGGTCTTCCGCAAGACGGCCCTGTTGGGTGCCAATGGTGGCCAGCCCTGAGG
 GCAGGGAAGGTCAACCCACCTGCCATCTGTGCTGAGGCATGTTCTGCTACCATCCTC
 CTCCTCCCCGGCTCTCTCCAGCATCACACCAGCCATGCAGCCAGCAGGTCTCCGGA
 TCACTGTGGTTGGTGGAGGTCTGTCTGCACTGGGAGCCTCAGGAGGGCTCTGCTCCACC
 CACTTGGCTATGGGAGAGCCAGCAGGGTCTGGAGAAAAAACTGGTGGGTTAGGGCCT
 TGGTCCAGGAGCCAGTTGAGCCAGGGCAGCCACATCCAGGCGTCTCCCTACCCTGGCTCT
 GCCATCAGCCTTGAAGGGCCTCGATGAAGCCTTCTCTGGAACCACTCCAGCCCAGCTCCA
 CCTCAGCCTTGGCCTTACGCTGTGGAAGCAGCCAAGGCATTCCTACCCCTCAGCGC
 CACGGACCTCTCTGGGAGTGGCCGAAAGCTCCCGGGCTCTGGCCTGCAGGGCAGCCC
 AAGTCATGACTCAGACCAGGTCCCACACTGAGCTGCCACAC

Restriction Sites: Please inquire
ACCN: NM_001142617
Insert Size: 2700 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).
OTI Annotation:	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.
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:	<u>NM_001142617.1</u> , <u>NP_001136089.1</u>
RefSeq Size:	2866 bp
RefSeq ORF:	2004 bp
Locus ID:	64220
UniProt ID:	<u>Q9BX79</u>
Cytogenetics:	15q24.1
Protein Families:	Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a membrane protein involved in the metabolism of retinol. The encoded protein acts as a receptor for retinol/retinol binding protein complexes. This protein removes the retinol from the complex and transports it across the cell membrane. Defects in this gene are a cause of syndromic microphthalmia type 9 (MCOPS9). Several transcript variants encoding a few different isoforms have been found for this gene. [provided by RefSeq, Dec 2008]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and coding sequence compared to variant 8. The resulting isoform (a) is shorter at the N-terminus compared to isoform f. Variants 1, 2, and 3 all encode the same isoform (a).</p>