

Product datasheet for **SC325270**

STRA6 (NM_001142618) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STRA6 (NM_001142618) Human Untagged Clone
Tag:	Tag Free
Symbol:	STRA6
Synonyms:	MCOPCB8; MCOPS9; PP14296
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

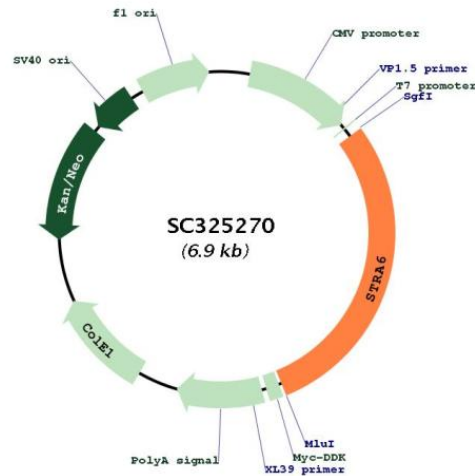


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Fully Sequenced ORF: >SC325270 representing NM_001142618.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCGTCAGCCAGCAGGGAAACCAGACCTCCCCGGGGCCACAGAGGACTACTCCTATGGCAGCTGG
TACATCGATGAGCCCCAGGGGGCGAGGAGCTCCAGCCAGAGGGGAAGTGCCCTCTGCCACACCAGC
ATACCACCCGGCCTGTACCACGCCTGCCTGGCCTCGCTGTCAATCCTTGTGCTGCTGCTCCTGGCCATG
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CAGTCGCATCCAGCCATGACAGCCTTCTGCTCCCTGCTCCTGCAAGCGCAGAGCCTCCTACCCAGGACC
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CTGCTGCACAACCAACCTGCAGGTCTTCCGCAAGACGGCCCTGTTGGGTGCCAATGGTGGCCAGGCC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001142618

Insert Size: 2004 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:

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_001142618.1](#)

RefSeq Size: 2848 bp

RefSeq ORF: 2004 bp

Locus ID: 64220

UniProt ID: [Q9BX79](#)

Cytogenetics: 15q24.1

Protein Families: Transmembrane

MW: 73.5 kDa

Gene Summary: 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]
Transcript Variant: This variant (3) 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).