

## Product datasheet for RC227536

### STRA6 (NM\_001142620) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STRA6 (NM\_001142620) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** STRA6  
**Synonyms:** MCOPCB8; MCOPS9; PP14296  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC227536 representing NM\_001142620  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCGTCCCAGCCAGCAGGGAACCCAGACCTCCCCGGGGCCACAGAGGACTACTCCTATGGCAGCTGGT  
ACATCGATGAGCCCCAGGGGGCGAGGAGCTCCAGCCAGAGGGGAAGTGCCTCCTGCCACACCAGCAT  
ACCACCCGGCCTGTACCACGCCTGCCTGGCCTCGCTGTCAATCCTTGTGCTGCTGCTCCTGGCCATGCTG  
GTGAGGCCGCCAGCTCTGGCCTGACTGTGTGGTGGCAGGCCCGCCCTGCCAGCCCTGTGGATTCT  
TGGCTGGGGACAGGCCCGGGCAGTGCCTGCTGCTGTTTTTCATGGTCTCCTGAGCTCCCTGTGTTTGT  
GCTCCCGACGAGGACGCATTGCCCTTCTGACTCTCGCCTCAGCACCCAGCCAAGATGGGAAAAGTGTGAG  
GCTCCAAGAGGTAACCTTGCCCAAGATCACAGAGTTGAGACTAGTCAGAGCCTGGATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC227536 representing NM\_001142620  
Red=Cloning site Green=Tags(s)

MSSQPAGNQTSFGATEDYSYGSWYIDEPQGGEEELQPEGEVPSCHTSIPPLYHACLASLSILVLLLLLAML  
VRRRQLWPDCVRGRPLPSPVDFLAGDRPRAVPAAVFMVLLSSLCLLLPDEDALPFLTLASAPSQDGKTE  
APRGNLPKITELRLVRAWI

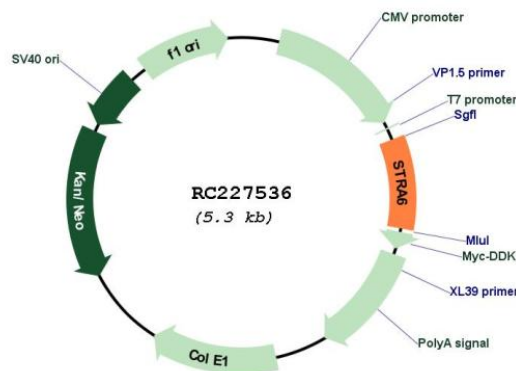
**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**

**Plasmid Map:**


ACCN: NM\_001142620

ORF Size: 477 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<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_001142620.1</a></u> , <u><a href="#">NP_001136092.1</a></u>
<b>RefSeq ORF:</b>	480 bp
<b>Locus ID:</b>	64220
<b>UniProt ID:</b>	<u><a href="#">Q9BX79</a></u>
<b>Cytogenetics:</b>	15q24.1
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	17 kDa
<b>Gene Summary:</b>	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]