

Product datasheet for **RG227505**

STRA6 (NM_001142619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STRA6 (NM_001142619) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	STRA6
Synonyms:	MCOPCB8; MCOPS9; PP14296
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG227505 representing NM_001142619
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGTC**CCAGCCAGCAGGGAACCAGAC**CTCCCCGGGGCCACAGAGGACTACTCCTATGGCAGCTGGT
 ACATCGATGAGCCCCAGGGGGCGAGGAGCTCCAGCCAGAGGGGAAGTGCCCTCCTGCCACACCAGCAT
 ACCACCCGGCCTGTACCACGCCTGCCTGGCCTCGCTGTCAATCCTTGTGTGCTGCTCCTGGCCATGCTG
 GTGAGGGCGCCAGCTCTGGCCTGACTGTGTGCGTGGCAGGCCCGCCTGCCAGGCCCGGGCAGTGC
 CTGCTGCTGTTTTCATGGTCTCCTGAGCTCCCTGTGTTTGTGCTCCCCGACGAGGACGCATTGCCCTT
 CCTGACTCTCGCCTCAGCACCCAGCCAAGATGGGAAAAGTGGGCTCCAAGAGGGGCCTGGAAGATACTG
 GGACTGTTCTATTATGCTGCCCTCTACTACCTCTGGCTGCCTGTGCCACGGCTGGCCACACAGCTGCAC
 ACCTGCTCGGCAGCACGCTGTCTGGGCCACCTTGGGGTCCAGGTCTGGCAGAGGGCAGAGTGTCCCA
 GGTGCCAAGATCTACAAGTACTACTCCCTGCTGGCCTCCCTGCCTCTCCTGCTGGCCCTCGGATTCCTG
 AGCCTTTGGTACCTGTGCACTGGTGAAGCTTCCAGCCGTAGGACAGGAGCAGGCTCCAAGGGGCTGC
 AGAGCAGTACTCTGAGGAATATCTGAGGAACCTCCTTTGCAGGAAGAAGCTGGGAAGCAGCTACCACAC
 CTCCAAGCATGGCTTCTGTCTGGGCCCGCTGTGCTTGAGACTGCATCTACTCCACAGCCAGGA
 TTCCATCTCCCGCTGAAGCTGGTGTCTTTCAGCTACTGACAGGGACGGCCATTTACCAGGTGGCCCTGC
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 GCTCACTGGTGAACACAGGACCAACCTTCGAGCTCTGCACCGAGGAGCTGCCCTGGACTTGAGTCCCTT
 GCATCGGAGTCCCATCCCTCCCGCCAAGCCATATTCTGTTGGATGAGCTTCAGTGCCTACCAGACAGCC
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 TGCTCATGCCTGTGCTCCATGGCAGGAACCTCCTGCTTCTCCGTTCCCTGGAGTCCCTGGCCCTTCTG
 GCTGACTTTGGCCCTGGCTGTGATCCTGCAGAACATGGCAGCCATTGGGTCTTCTGGAGACTCATGAT
 GGACACCCACAGCTGACCAACCGCGAGTGTCTATGCAGCCACCTTCTTCTTCCCCCTCAATGTGC
 TGGTGGGTGCCATGGTGGCCACCTGGCGAGTGTCTCTGCCCCTTACAACGCCATCCACCTTGCCCA
 GATGGACCTCAGCCTGTGCCACCGAGAGCCGCACTCTCGACCCCGGCTACTACAGTACCGAACTTC
 TTGAAGATTGAAGTCAGCCAGTCGCATCCAGCCATGACAGCCTTCTGCTCCCTGCTCCTGCAAGCGCAGA
 GCCTCCTACCCAGGACCATGGCAGCCCCCAGGACAGCCTCAGACCAGGGGAGGAAGACGAAGGGATGCA
 GCTGCTACAGACAAAGGACTCCATGGCCAAGGGAGCTAGGCCCGGGGCCAGCCGGCCAGGGCTCGCTGG
 GGTCTGGCCTACACGCTGCTGCACAACCAACCTGCAGGTCTTCCGCAAGACGGCCCTGTTGGGTGCCA
 ATGGTGCCAGCCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG227505 representing NM_001142619
Red=Cloning site Green=Tags(s)

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MSSQPAGNQTSPGATEDYSYGSWYIDEPQGGEEELQPEGEVPSCHTSIPPGLYHACLASLSILVLLLLAML
VRRRQLWPDCVRGRPLPRPRAVPAAVFMVLLSSLCLLLPDEDALPFLTLASAPSDQGKTEAPRGAWKIL
GLFYAAALYYPLAACATAGHTAAHLLGSTLSWAHLGVQVWQRAECPQVPKIYKYYSLLASLPLLLGLGFL
SLWYPVQLVRSFRRRTGAGSKGLQSSYSEEYLRNLLCRKKLGSSYHTSKHGFLSWARVCLRHCIYTPQPG
FHLPLKLVLSATLTGTAIYQVALLLVGVPTIQKVRAGVTDDVSYLLAGFGIVLSEDKQEVVELVKHHL
WALEVCYISALVLSCLLTFVLVLRSLVTHRTNLRALHRGAALDLSPLHRSPHPSRQAIFCMMFSAYQTA
FICLGLLVQQIIFFLGTALAFVLMPVLHGRNLLLFRSLESSWPFWLTLALAVILQNMAAHWVFLETHD
GHPQLTNRRVLYAATFLLFPLNVLVGAMVATWRVLLSALYNAIHLGQMDLSLLPPRAATLDPGYTYRNF
LKIEVSQSHPAMTAFCSLLLQAQSLLPRTMAAPQDSLPRGEEDEGMQLLQTKDSMAKGARPGASRGRARW
GLAYTLLHNPTLQVFRKTALLGANGAQP
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001142619

ORF Size: 1974 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.

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_001142619.2](#)

RefSeq Size: 2839 bp

RefSeq ORF: 1977 bp

Locus ID: 64220

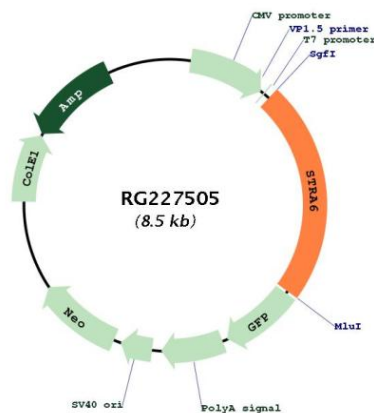
UniProt ID: [Q9BX79](#)

Cytogenetics: 15q24.1

Protein Families: Transmembrane

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]

Product images:



Circular map for RG227505