

Product datasheet for **RG227536**

STRA6 (NM_001142620) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STRA6 (NM_001142620) 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)
ORF Nucleotide Sequence: >RG227536 representing NM_001142620
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTCCCAGCCAGCAGGGAACCCAGACCTCCCCGGGGCCACAGAGGACTACTCCTATGGCAGCTGGT
ACATCGATGAGCCCCAGGGGGCGAGGAGCTCCAGCCAGAGGGGAAGTGCCTCCTGCCACACCAGCAT
ACCACCCGGCCTGTACCACGCCTGCCTGGCCTCGCTGTCAATCCTTGTGCTGCTGCTCCTGGCCATGCTG
GTGAGGCGCCGCCAGCTCTGGCCTGACTGTGTGCGTGGCAGGCCCGCCCTGCCAGCCCTGTGGATTCT
TGGCTGGGGACAGGCCCGGGCAGTGCCTGCTGCTGTTTTTCATGGTCCTCCTGAGCTCCCTGTGTTTGT
GCTCCCGGACGAGGACGATTGCCCTTCCCTGACTCTCGCCTCAGCACCCAGCCAAGATGGGAAAAGTGTG
GCTCCAAGAGGTAACCTTGCCCAAGATCACAGAGTTGAGACTAGTCAGAGCCTGGATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG227536 representing NM_001142620
Red=Cloning site Green=Tags(s)

MSSQPAGNQTSPGATEDYSYGSWYIDEPQGGEEELQPEGEVPSCHTSIPPLYHACLASLSILVLLLLLAML
VRRRQLWPDCVGRPGLPSPVDFLAGDRPRAVPAAVFVLLSSLLCLLLPDEDALPFLTLASAPSQDGKTE
APRGNLPKITELRRLVRAWI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_001142620.1, NP_001136092.1</u>
RefSeq Size:	1956 bp
RefSeq ORF:	480 bp
Locus ID:	64220
UniProt ID:	<u>Q9BX79</u>
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]