

Product datasheet for **RC206826**

STRA6 (NM_022369) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STRA6 (NM_022369) Human Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide Sequence:

>RC206826 representing NM_022369
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGTC**CCAGCCAGCAGGGAACCAGAC**CTCCCCGGGGCCACAGAGGACTACTCTATGGCAGCTGGT
 ACATCGATGAGCCCCAGGGGGCGAGGAGCTCCAGCCAGAGGGGAAGTGCCCTCCTGCCACACCAGCAT
 ACCACCCGGCCTGTACCACGCCTGCCTGGCCTCGCTGTCAATCCTTGTGTGCTGCTCCTGGCCATGCTG
 GTGAGGGCGCCAGCTCTGGCCTGACTGTGTGCGTGGCAGGCCCGCCTGCCAGCCCTGTGGATTCT
 TGGCTGGGGACAGGCCCGGGCAGTGCCTGCTGCTGTTTTCATGGTCCTCCTGAGCTCCCTGTGTTTGT
 GCTCCCCGACGAGGACGCATTGCCCTTCTGACTCTCGCCTCAGCACCCAGCCAAGATGGGAAAAGTGA
 GCTCCAAGAGGGGCTGGAAGATACTGGGACTGTTCTATTATGCTGCCCTCTACTACCCTCTGGTGCCCT
 GTGCCACGGCTGGCCACACAGCTGCACACCTGCTCGGCAGCACGCTGTCTGGGCCACCTTGGGGTCCA
 GGTCTGGCAGAGGGCAGAGTGTCCCAGGTGCCAAGATCTACAAGTACTACTCCCTGCTGGCCTCCCTG
 CCTCTCCTGCTGGGCCTCGGATTCTGAGCCTTTGGTACCTGTGCAGCTGGTGAGAAGCTTCAGCCGTA
 GGACAGGAGCAGGCTCCAAGGGGCTGCAGAGCAGCTACTCTGAGGAATATCTGAGGAACCTCCTTTGCAG
 GAAGAAGCTGGGAAGCAGCTACCACACCTCCAAGCATGGCTTCTGTCTGGGCCCGCGTCTGCTTGAGA
 CACTGCATCTACACTCCACAGCCAGGATTCCATCTCCCGTGAAGCTGGTGTCTTTCAGCTACACTGACAG
 GGACGGCCATTTACCAGTGGCCCTGCTGCTGCTGGTGGGCGTGGTACCCACTATCCAGAAGGTGAGGGC
 AGGGGTACCACGGATGTCTCTACCTGCTGGCCAGCTTTGGAATCGTGTCTCCGAGGACAAGCAGGAG
 GTGGTGGAGCTGGTGAAGCACCATCTGTGGCTCTGGAAGTGTGCTACATCTCAGCCTTGGTCTTGTCTCT
 GCTTACTCACCTTCTGGTCTGATGCGCTCACTGGTGACACACAGGACCAACCTTCGAGCTCTGCACCG
 AGGAGCTGCCCTGGACTTGAGTCCCTTGCATCGGAGTCCCATCCCTCCCGCCAAGCCATATTCTGTTGG
 ATGAGCTTCAGTGCCTACCAGACAGCCTTTATCTGCCTTGGGCTCCTGGTGCAGCAGATCATCTTCTTCC
 TGGGAACCACGGCCCTGGCCTTCTGGTGTCTATGCCTGTGCTCCATGGCAGGAACCTCCTGCTCTTCCG
 TTCCTGGAGTCTCTGTGGCCCTTCTGGCTGACTTTGGCCCTGGCTGTGATCCTGCAGAACATGGCAGCC
 CATTGGGTCTTCTGGAGACTCATGATGGACACCCACAGCTGACCAACCGGCGAGTGTCTATGCAGCCA
 CCTTCTCTCTTCCCCCTCAATGTGCTGGTGGGTGCCATGGTGGCCACCTGGCGAGTGTCTCTCTGCG
 CCTCTACAACGCCATCCACCTTGGCCAGATGGACCTCAGCCTGCTGCCACCGAGAGCCGCCACTCTCGAC
 CCCGGCTACTACAGTACCGAACTTCTTGAAGATTGAAGTCAGCCAGTGCATCCAGCCATGACAGCCT
 TCTGCTCCCTGCTCCTGCAAGCGCAGAGCTCCTACCCAGGACCATGGCAGCCCCCAGGACAGCCTCAG
 ACCAGGGGAGGAAGCAAGGGATGCAGCTGCTACAGACAAGGACTCCATGGCCAAGGGAGCTAGGCC
 GGGGCCAGCCGCGCAGGGCTCGCTGGGGTCTGGCCTACACGCTGCTGCACAACCAACCTGCAGGTCT
 TCCGAAGACGGCCCTGTTGGGTGCCAATGGTGCCAGCCC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC206826 representing NM_022369
Red=Cloning site Green=Tags(s)

MSSQPAGNQTSPGATEDYSYGSWYIDEPQGGEEQLPEGEVPSCHTSIPPGLYHACLASLSILVLLLLAML
 VRRRQLWPDCVRGRPLPSPVDFLAGDRPRAVPAAVFMVLLSSLCLLLPDEDALPFLTLASAPSQDGKTE
 APRGAWKILGLFYAALYYPLAACATAGHTAAHLLGSTLSWAHLGVQVQWQRAECPQVPKIYKYSSLASL
 PLLLLGLGFLSLWYPVQLVRSFSRRTGAGSKGLQSSYSEYLRNLLCRKKLGSSYHTSKHGFLSWARVCLR
 HCIYTPQPGFHLPLKLVLSATLTGTAIYQVALLLLVGVVPTIQKVRAGVTTDVSYLLASFGIVLSEDKQE
 YVELVKHHLWALEVCYISALVLSCLLTFLVLMRSLVTHRTNLRALHRGAALDLSPLHRSPHPSRQAIFCW
 MSFSAYQTAFICLGLLVQIQIIFFLGTTALAFVLMPVLHGRNLLLFRLSLESSWPFWLTALAVILQNMAA
 HWVFLETHDGHPLTNRRLVYAATFLLFPLNVLVGAMVATWRVLLSALYNAIHLGQMDLSLLPPRAATLD
 PGYYTYRNLKIEVSQSHPAMTAFCSLLQAQSLLPRTMAAPQDSL RPGEEDGMLLQTKDSMAKGARP
 GASRGRARWGLAYTLLHNPTLQVFRKTALLGANGAQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2603_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_022369

ORF Size: 2001 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_022369.2](#), [NP_071764.2](#)

RefSeq Size: 2820 bp

RefSeq ORF: 2004 bp

Locus ID: 64220

UniProt ID: [Q9BX79](#)

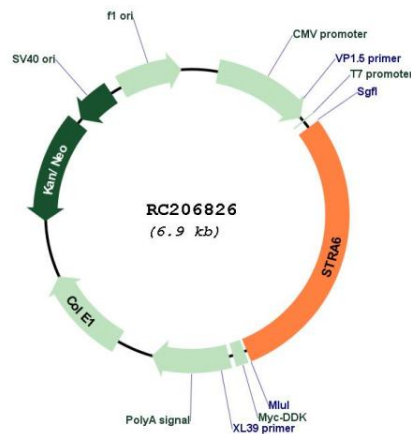
Cytogenetics: 15q24.1

Protein Families: Transmembrane

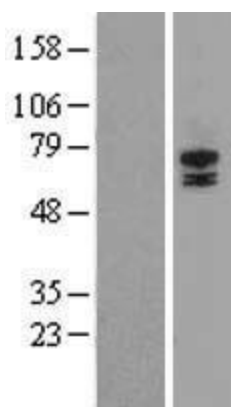
MW: 73.3 kDa

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]

Product images:



Circular map for RC206826



Western blot validation of overexpression lysate (Cat# [LY428212]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC227472] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).