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Product datasheet for RC222482

STRC (NM_153700) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STRC (NM_153700) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STRC
Synonyms:	DFNB16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC222482 representing NM_153700
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

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TGGCCCCTACTGGGCCTCATTCCCTGGACCCTGGTCTCTCCTTCCTGAAGTCATTGCTCTCCACTCTGGA
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GAGCCTGGGAGAATGGGGGAAGGACCAGTAGGAGAGCCCCCACCTCTCCAGCCGCCTGCTCTGCGGCTCC
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CAGGCTGTGCCCCCCAGCAACCAGGCTTGGGTCCAGCATGTGTGCCAGGGCCCCACCCCAGATGTCACTG
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Protein Sequence:

>RC222482 representing NM_153700
Red=Cloning site Green=Tags(s)

MALSLWPLLLLLLLLLLSFAVTLAPTGPHSLDPGLSFLKSLLSTLDQAPQGSLSRSRFFTFLANISSSF
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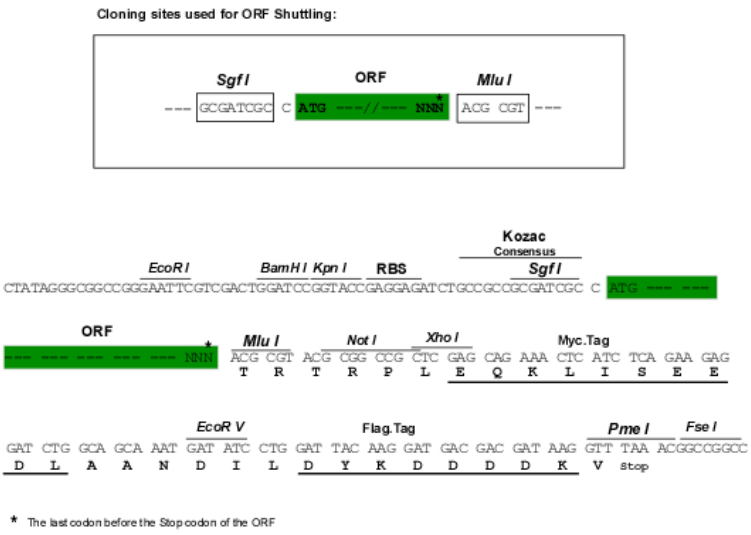
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8012_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_153700

ORF Size: 5325 bp

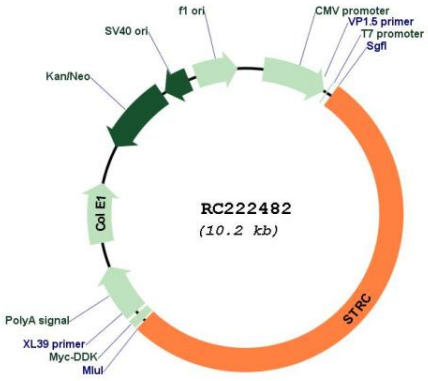
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_153700.2, NP_714544.1
RefSeq Size:	5515 bp
RefSeq ORF:	5328 bp
Locus ID:	161497
UniProt ID:	Q7RTU9
Cytogenetics:	15q15.3
Protein Families:	Transmembrane
MW:	192.8 kDa
Gene Summary:	This gene encodes a protein that is associated with the hair bundle of the sensory hair cells in the inner ear. The hair bundle is composed of stiff microvilli called stereocilia and is involved with mechanoreception of sound waves. This gene is part of a tandem duplication on chromosome 15; the second copy is a pseudogene. Mutations in this gene cause autosomal recessive non-syndromic deafness. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC222482