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Product datasheet for MC224946

Strc (NM_080459) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Strc (NM_080459) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Strc
Synonyms:	DFNB16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC224946 representing NM_080459
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCTGAGCCTCCAGCCCCAGCTGCTCCTTCTCCTGTCGCTCCTGCCGCAGGAAGTGACTTCAGCCC
CTACTGGGCCTCAGTCTTTGGATGCTGGTCTCTCCCTTCTGAAGTCATTCGTAGCCACTCTGGACCAAGC
TCCTCAGCGTTCCCTCAGCCAGTCACGGTTCTCTGCGTTCCTGGCCAACATTTCTTCATCCTTCCAGCTT
GGGAGGATGGGGGAGGGACCGGTGGGAGAGCCCCCACCTCTCCAGCCCCCTGCACTTCGACTTCATGATT
TCCTCGTGACACTGAGAGGTAGCCCAGACTGGGAGCCAATGCTAGGGCTTCTGGGAGATGTGCTGGCACT
CCTGGGACAGGAACAGACTCCCCGGGACTTTTTGGTGCACCAGGCAGGTGTACTGGGTGGACTTGTAGAG
GCATTGTTGGGAGCGTTAGTTCCTGGAGGCCCCCCTGCCCCCACTCGACCCCCATGCACCCGTGATGGCC
CTTCTGACTGTGTCCTGGCTGCTGATTGGTTGCCTTCTCTGATGTTGTTATTAGAGGGTACACGCTGGCA
GGCCCTGGTGCAGTTGCAGCCCAGTGTGGACCCAACCAATGCCACAGGTCTTGATGGTAGAGAGCCAGCT
CCTCACTTTTTACAGGGTCTGCTGGGCTTGCTTACCCCAGCAGGAGAGTTGGGCTCTGAGGAGGCTCTTT
GGGGTGGTCTGCTGCGCACAGTGGGGGCCCCCCTCTATGCTGCCTTCCAGGAGGGGCTACTGCGAGTCAC
TCATTCTCTGCAAGATGAGGTCTTTTCTATTATGGGACAGCCAGAGCCTGATGCCAGTGGGCAGTGCCAG
GGAGGCAACCTTCAACAGCTGCTTTTATGGGGCATGCGGAACAACCTTTCTTGGGACGCCCGAGCACTGG
GTTTTCTATCTGGATCACCACCTCCACCCCCTGCTCTCCTGCACTGCCTGAGCAGAGGTGTGCCTCTGCC
CAGGGCTTCCCAGCCTGCGGCTCACATCAGCCCTCGACAGCGGCGAGCCATCTCTGTGGAGGCCCTCTGC
GAGAACCACTCAGGCCCAGAGCCACCCTACAGCATCTCCAACTTCTCCATCTACTTGCTCTGCCAGCACA
TCAAGCCTGCCACCCCGCGGCCCCCTCCTACCACCCCACGGCCTCCTCCTACCACCCCACAGCCCCCTCC
TACCACTACACAGCCCATTCCTGACACTACACAGCCCCCTCCTGTCACCCCAAGGCCTCCTCCTACCACC
CCACAACCCCCTCCTAGCACAGCTGTCATCTGCCAGACAGCTGTATGGTACGCAGTCTCGTGGGCACCAG
GTGCCCGAGGTTGGCTCCAAGCCTGCCATGATCAGTTTCCTGATCAATTTCTGGATATGATCTGCGGCAA
CCTCTCATTTTCAGCCCTGTCTGGCCCCAGTCGTCCTTTGGTAAAGCAGCTCTGTGCTGGCTTGCTCCCA
CCCCCCACTAGCTGTCCACCAGGCCTGATCCCTGTGCCCCTCACCCCAGAAATATTCTGGGGCTGTTTCC

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TGGAGAATGAGACACTGTGGGCTGAACGGTTGTGTGTGGAGGACAGTCTGCAGGCTGTGCCCCCGAGGAA
CCAGGCTTGGGTTCAGCATGTGTGTCGGGGCCCCACCTTGGACGCCACTGATTTTCCACCGTGCCGCGTT
GGACCCTGTGGGGAACGCTGCCCAGATGGGGGCAGCTTCCTGCTCATGGTCTGTGCCAATGACACTCTGT
ATGAAGCCTTGGTTCCCTTCTGGGCTTGGCTAGCAGGCCAATGCAGAATTAGTCGTGGAGGAAATGATAC
TTGCTTTCTAGAAGGCATGCTGGGCCCCTTGTTGCCCTCTCTGCCCCCTCTGGGACCATCCCCACTCTGT
CTGGCTCCTGGTCCTTTTCTGCTTGGCATGTTATCCCAGTTGCCACGCTGTCAGTCCTCCGTGCCAGCCC
TCGCCCACCCCACGCGCCTACATTACCTCCTGCGCCTACTGACCTTCCTTCTGGGTCCAGGGACTGGGGG
TGCCGAGACGCAGGGGATGTTAGGTCAAGCCCTGCTGCTCTCTAGTCTCCCAGACAACTGTTCATTCTGG
GATGCCTTCCGCCCAGAGGGCCGGAGAAGTGTACTGAGGACAGTCGGAGAGTACTTGCAGCGGGAAGAGC
CAACCCCACCAGGCTTAGACTCCTCCCTCAGCCTCGGCTCTGGTATGAGCAAGATGGAGCTTCTGTCCTG
CTTCAGTCCTGTACTGTGGGATCTACTCCAGAGAGAGAAGAGCGTTTGGGCCCTGAGGACCCTGGTGAAG
GCCTACCTGCGCATGCCTCCAGAAGACCTTCAGCAGCTTGTGCTTTCAGCAGAGATGGAGGCTGCACAGG
GCTTCCTGACGCTCATGCTTCGTTCCTGGGCTAAGCTGAAGGTTCAACCATCCGAGGAGCAGGCCATGGG
CCGCCTGACAGCCTTGCTGCTCCAGCGGTACCCACGCCTCACCTCCCAACTCTTTATCGACATGTCACCG
CTCATCCCCTTCCTGGCTGTCCCTGACCTCATGCGCTTCCCACCGTCCCTTTTGGCCAACGACAGTGTCC
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GGCCCCTGAGCTGTTTGGAGAAGTGCCTGATTGGCCCCAGGAGCTGCTGTGGGCAGCCCTGCCTCTGCTT
CCCCATCTGCCTCTGGAGAGCTTTCTCCAGCTCAGCCCTCACCAGATCCAGGCCCTGGAGGATAGCTGGC
CAGTAGCAGATCTTGGGCCGGGACACGCCCGACATGTGCTTCGTAGCCTAGTAAACCAGAGCATGGAGGA
TGGGGAGGAGCAGGTGCTCAGGCTTGGGTCCCTCGCCTGTTTCCTGAGTCCTGAGGAGCTACAGAGTCTG
GTGCCCTTGAGTGATCCAATGGGGCCTGTAGAACAGGGTCTGCTGGAATGTGCGGCCAATGGGACCCTCA
GCCCAGAAGGACGGGTGGCATATGAACTTCTGGGAGTGTTGCGTTCATCTGGAGGAACTGTCTTAAGCCC
CCGAGAGCTGAGGGTCTGGGCACCTCTCTTTCCCCAGCTGGGCCTCCGCTTCCTGCAGGAGCTCTCAGAG
ACCCAGCTTAGAGCCATGCTTCCTGCCCTACAGGGAGCCAGTGTCACACCTGCCCAGGCTGTTCTGTTGT
TTGGAAGGCTCCTTCCTAAGCATGATCTGTCCCTGGAGGAACTCTGCTCCCTGCACCCTCTCCTGCCAGG
TCTCAGCCCCCAGACACTCCAGGCCATCCCTAAGAGAGTTCTGGTTGGTGCTTGTTCCTGCCTGGGCCCT
GAACTGTCAAGGCTTTCAGCTTGCCAGATTGCAGCTCTGCTGCAGACCTTTCGGGTAAAAGATGGTGTTA
AAAATATGGGTGCAGCAGGTGCCGGCTCAGCCGTGTGCATTCCTGGGCAGCCCACCACTTGGCCAGACTG
CCTGCTTCCCCTGCTCCCATTAAAGCTGCTACAGCTGGACGCTGCAGCTCTTCTGGCAAACCGAAGACTC
TATCGGCAGCTGCCTTGGTCTGAGCAACAGGCACAGTTTCTCTGGAAGAAAATGCAAGTGCCTACCAACC
TGAGCCTGAGGAATCTGCAGGCTCTGGGCAACTTGGCAGGAGGCATGACCTGCGAGTTTCTGCAGCAGAT
CAGCTCAATGGTTGACTTTCTTGATGTGGTACACATGCTCTACCAGCTGCCCACTGGTGTTCGAGAGAGC
CTGCGGGCCTGTATCTGGACAGAGCTACAGCGGAGGATGACAATGCCAGAGCCAGAGCTGACCACCCTAG
GGCCAGAACTGAGTGAACTTGACACAAAGCTACTCCTGGACTTGCCGATCCAGCTGATGGACAGATTGTC
CAATGATTCCATTATGTTGGTGGTGGAGATGGTCCAAGGCGCTCCAGAGCAGCTGCTGGCACTGACCCCA
CTCCACCAGACAGCCTTGGCAGAGCGAGCACTTAAAAACCTGGCTCCAAAGGAGACCCCAATCTCCAAAG
AAGTGCTGGAGACACTGGGCCCCTTGGTTGGATTCCTGGGAATAGAGAGCACGCGACGGATCCCTTTACC
CATTCTACTGTCTCATCTCAGTCAGCTGCAGGGCTTCTGCCTAGGAGAGACATTTGCCACAGAGCTGGGA
TGGCTGCTGTTGCAGGAGCCTGTTCTTGGAAAACCAGAATTGTGGAGCCAGGATGAAATAGAGCAAGCTG
GACGCCTAGTATTCACTCTGTCTGCTGAGGCTATTTCCTCGATCCCCAGGGAGGCTTTGGGCCCAGAGAC
ACTGGAGAGGCTTCTGGGAAAGCATCAAAGCTGGGAGCAGAGCAGAGTGGGCCATCTGTGTGGGGAGTCA
CAGCTTGCCCACAAGAAAGCAGCTCTGGTAGCTGGGATTGTGCATCCAGCTGCTGAGGGTCTCCAAGAGC
CTGTACCAAACTGTGCAGACATACGGGGAACCTTCCCAGCGGCCTGGTCTGCGACACAAATCTCAGAGAT
GGAACTCTCAGACTTTGAAGACTGCCTGTCACTATTTGCTGGAGATCCAGGACTTGGTCCTGAGGAACTA
CGGGCAGCCATGGGCAAGGCCAAGCAGTTGTGGGGTCCCCCTCGAGGATTCCGTCCTGAGCAGATCTTGC
AGCTGGGCCGTCTCCTGATAGGTCTAGGAGAACGGGAACTGCAGGAGCTTACCTTGGTGGACTGGGGTGT
GCTGAGCAGCCTGGGGCAAATAGATGGCTGGAGTTCCATGCAGCTCCGAGCCGTGGTCTCCAGTTTCCTA
AGGCAGAGTGGTCGGCATGTGAGCCACCTGGACTTCATTTATCTGACAGCACTGGGTTACACAGTCTGTG
GATTGCGACCAGAGGAGTTACAGCACATCAGCAGTTGGGAGTTTAGCCAAGCAGCTCTCTTCCTGGGTAG
CTTGCATCTCCCGTGCTCTGAGGAACAGCTGGAAGTTCTGGCCTATCTCCTTGTGTTGCCTGGTGGCTTT
GGCCCAGTCAGTAACTGGGGGCCTGAGATCTTCACTGAAATTGGCACAATAGCAGCTGGCATCCCAGACC
TGGCTCTTTCAGCATTACTGCGGGGACAGATCCAAGGCCTGACTCCTCTTGCCATTTCTGTCATTCCTGC

TCCCAAGTTTGCAGTGGTCTTCAACCCCATCCAGTTATCTAGTCTCACCAGGGGTCAGGCCGTAGCTGTT
ACTCCTGAACAGCTGGCCTATCTGAGTCCTGAGCAGCGGCGAGCAGTTGCATGGGCCCAACACGAAGGGA
AGGAGATCCCAGAGCAGCTGGGTCGAAACTCAGCCTGGGGTCTCTACGACTGGTTCCAAGCCTCCTGGGC
CCTGGCATTGCCCGTCAGCATTTTTGGCCACCTATTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_080459

Insert Size: 5430 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_080459.2, NP_536707.2

RefSeq Size: 5757 bp

RefSeq ORF: 5430 bp

Locus ID: 140476

UniProt ID: Q8VIM6

Cytogenetics: 2 E5

Gene Summary: Essential to the formation of horizontal top connectors between outer hair cell stereocilia. [UniProtKB/Swiss-Prot Function]