

Product datasheet for **RC212426**

ST7L (NM_138727) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST7L (NM_138727) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ST7L
Synonyms:	FAM4B; ST7R; STLR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC212426 representing NM_138727
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACCGTGGCGGCTGGGTGAAGCCGACGCTGTTGGAGCGTCTCCTGCATCTGTCCCTGGCCTAA
 ACCCGACGCTAGGCTGGAGGGAGCGACTGCGGGCCGGCTGGCGGGGACTGGGGCCCTGTTGGTTCGT
 GGCGGGGCTGGGCTGCTTACGCCCTGAGGATCCCTTTGAGGCTGTGTGAGAATTTGGCAGCGGGGACC
 TCTTCATTGATATCAGGACTAATATTTATATTTGAATGGTGGTACTTCCATAAGCATGGCACATCTTTTA
 TTGAGCAAGTATCTGTAAGCCATTTGCAACCCTGATGGGAGGAACAGAGAGCAGCATTTCAGAACCAGG
 TTCTCCTTCGAGGAACAGAGAAAATGAAACCAGCAGACAGAATTTGTCAGAATGTAAGGTATGGAGAAA
 CCTCTAAATCTTTTCAGAGGAGCAGAATATAGGAGATACACTGGGTGACTGGTAAAGAGCCACTTACAT
 ACTATGACATGAACCTGTCAGCTCAGGACCATCAGACCTTTTTCACCTGTGACACAGATTTTTACGTCC
 TTCAGACACAGTTATGCAGAAGGCTTGGAGGAAAGAAATCCTCCAGCTCGAATCAAAGCAGCCTATCAA
 GCTTTAGAATTAACAATGACTGTGCCACTGCATATGTTCTACTGGCTGAGGAAGAAGCAACAACCTATTG
 TAGATGCTGAAAGGTTATTTAAACAGGCACTCAAGGCAGGAGAAAACAATTTATAGGCAGTCACAGCAGTG
 CCAGCACCAAAGTCTCAGCATGAAGCTCAACTGAGGAGAGATACCAATGTACTGGTATATATTTAAAGA
 AGATTGGCAATGTGTGCAAGAAAATTAGGAAGAAATAAGAGAAGCAGTAAAAATAATGAGAGATTTGATGA
 AAGAATTTCTCCTCTTACCATGTTGAACATCCATGAAATCTCTTAGAATCACTTTTAGAATTACAGGC
 CTATCCAGATGTTAGGCACTTAGCAAAAATATGATGATATAAGCCTTCCAAAGTCAGCAGCAATCTGT
 TACACAGCAGCACTGTTGAAGACAAGGACTGTTTCAGAAAAATTTCTCCAGAAAACGCCTCCAGAAGAG
 GATTAAGCACAGCAGAAAATTAATGCCGTGGAAGCAATTCATAGAGCTGTGGAATTTAATCCTCATGTTCC
 AAAATATTTATTAGAGATGAAAAGTTTAAATTTTACCTCCAGAACACATTCTGAAAACGGGGTGATAGTGAA
 GCAATTGCCTATGCTTTCTTTCATCTTACGACTGAAAACGAATAGAAGGTGCTCTTAATCTGTTACAGT
 GTACATGGGAAGGCACTTTTAGAATGATTCCATACCCGTTAGAGAAAGGACATCTATTTACCCTTATCC
 CAGCTGCACAGAGACGGCTGATAGAGAGCTATTACCTACCTTTTCATGTTTCTGTTTACCCAAAAAAG
 GAGCTTCTTTGTTTATCCATTTTACAGCAGGATTTTGTCTTCTACAGCAATGATAGCCATTCTCACTC
 ACCAGTTTCTGAAATCATGGGTATTTTGTAAAGCTGTGCTGGGACTCTGGTCCCCCAACCCTGGGC
 ATCCTCAGGCTTTGAGGAGAATACAGGATTTGAAGTCAGAAGACCTAGGTTTGAGTTCTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212426 representing NM_138727
 Red=Cloning site Green=Tags(s)

MADRGVGEAAAVGASPASVPLNPTLGWRERLRAGLAGTGASLWFVAGLGLLYALRIPLRLCENLAAGT
 SSLISGLIFIFEWYFHKHGTSEIFQVSVSHLQPLMGGTESSISEPGSPSRNRENESRQNLSECKVWRN
 PLNLFRTGAEYRRYTWTGKEPLTYDMNLSAQDHQTFFTCDTDFLRPSDTVMQKAWRERNPPARIKAAAYQ
 ALELNNDCATAYVLLAEEEEATTIVDAERLFKQALKAGETIYRQSQQCQHQSPQHEAQLRRDNTNLYIKR
 RLAMCARKLGRIREAVKIMRDLKMFPPPLTMLNIHENLLESLELQAYPDVQAVLAKYDDISLPKSAATC
 YTAALLKTRTVSEKFSPETASRRGLSTAEINAVEAIHRAVEFNPHVPKYLLEMKSLILPPEHILKRGDSE
 AIAYAFFHLQHWKRIEGALNLLQCTWEGTFRMIPYPLEKGHLYFPYPSCTETADRELLPTFHHVSVYPKK
 ELPLFIHFTAGFCSSTAMIAILTHQFPEIMGIFAKAVLGLWCPQPWASSGFEENTQDLKSEDLGLSSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8067_b11.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_138727

ORF Size: 1674 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_138727.4](#)

RefSeq Size: 4502 bp

RefSeq ORF: 1677 bp

Locus ID: 54879

UniProt ID: [Q8TDW4](#)

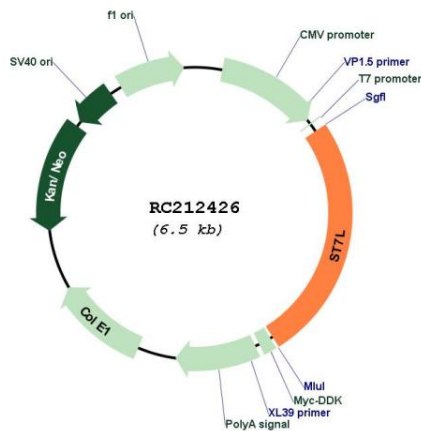
Cytogenetics: 1p13.2

Protein Families: Transmembrane

MW: 62.7 kDa

Gene Summary: This gene was identified by its similarity to the ST7 tumor suppressor gene found in the chromosome 7q31 region. This gene is clustered in a tail-to-tail manner with the WNT2B gene in a chromosomal region known to be deleted and rearranged in a variety of cancers. Several transcript variants encoding many different isoforms have been described, but some have not been fully characterized. [provided by RefSeq, Feb 2011]

Product images:



Circular map for RC212426