

Product datasheet for **RC212542**

ST7L (NM_017744) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ST7L (NM_017744) 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) |



[View online »](#)

ORF Nucleotide Sequence:

>RC212542 representing NM_017744
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGACCGTGGCGGCTGGGTGAAGCCGACGCTGTTGGAGCGTCTCCTGCATCTGTCCCTGGCCTAA
 ACCCGACGCTAGGCTGGAGGGAGCGACTGCGGGCCGGCTGGCGGGACTGGGCCCTCGTTGGTTCGT
 GGCGGGCTGGGCTGCTTACGCCCTGAGGATCCCTTTGAGGCTGTGTGAGAATTTGGCAGCGGTGACT
 GTATTTTTAAATTCATTGACACCCAAATTCATGTGGCACTTACAGGGACCTCTTCATTGATATCAGGAC
 TAATATTTATATTTGAATGGTGGTACTTCCATAAGCATGGCACATCTTTTATTGAGCAAGTATCTGTAAG
 CCATTTGCAACCACTGATGGGAGGAACAGAGAGCAGCATTTCCAGAACCAGGTTCTCCTTCGAGGAACAGA
 GAAATGAAACCAGCAGACAGAATTTGTCAGAATGTAAGGTATGGAGAAACCCTCTAAATCTTTTCAGAG
 GAGCAGAATATAGGAGATACACTTGGGTGACTGGTAAAGAGCCACTTACATACTATGACATGAACCTGTC
 AGCTCAGGACCATCAGACCTTTTACCTGTGACACAGATTTTTACGTCCTTCAGACACAGTTATGCAG
 AAGGCTTGGAGGGAAAGAAATCCTCCAGCTCGAATCAAAGCAGCCTATCAAGCTTTAGAATTAACAATG
 ACTGTGCCACTGCATATGTTCTACTGGTGAGGAAGAAGCAACAATATTGTAGATGCTGAAAGGTTATT
 TAAACAGGCACTCAAGGCAGGAGAAACAATTTATAGGCAGTCACAGCAGTGCCAGCACCAAAGTCCCTCAG
 CATGAAGCTCAACTGAGGAGAGATACCAATGACTGGTATATATTAAGAAGAGATTGGCAATGTGTGCAA
 GAAATTAGGAAGAATAAGAGAAGCAGTAAAAAATAGAGAGATTTGATGAAAGAATTTCTCCTCTTAC
 CATGTTGAACATCCATGAAAATCTTTAGAATCACTTTTAGAATTACAGGCCTATCCAGATGTTCCAGGCA
 GTCCTAGCAAAAATATGATGATATAAGCCTTCCAAAGTCAGCAGCAATCTGTTACACAGCAGCACTGTTGA
 AGACAAGGACTGTTTCAGAAAAATCTCTCCAGAAACAGCCTCCAGAAGAGGATTAAGCAGCAGCAAAAT
 TAATGCCGTGGAAGCAATTCATAGAGCTGTGGAATTTAATCCTCATGTTCCAAAATATTTATTAGAGATG
 AAAAGTTAATTTTACCTCCAGAACACATTCTGAAACGGGGTGATAGTGAAGCAATTGCCTATGCTTTCT
 TTCATCTTCAGCACTGGAACGAATAGAAGGTGCTCTAATCTGTTACAGTGTACATGGGAAGGCACTTT
 TAGAATGATTCCATACCCGTTAGAGAAAGGACATCTATTTACCCTATCCAGCTGCACAGAGACGGCT
 GATAGAGAGCTATTACCTACCTTTCATCATGTTTCTGTTACCCAAAAAGGAGCTTCTTTGTTTATCC
 ATTTACAGCAGGATTTGCTCTTACAGCAATGATAGCCATTCTCACTACCAGTTTCTGAAATCAT
 GGGTATTTTTGCTAAAGCTGTGCTGGGACTCTGGTGCCCAACCCTGGGCATCCTCAGGCTTTGAGGAG
 AATACACAGGATTTGAAGTCAGAAGACCTAGGTTTGAGTCTGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212542 representing NM_017744
 Red=Cloning site Green=Tags(s)

MADRGGVGEAAAVGASPASVPGLNPTLWRRERLRAGLAGTASLWFVAGLGLLYALRIPLRLCENLAAVT
 VFLNSLTPKFYVALTGTSSLISGLIFIFEWYFHKHGTSFIEQVSVSHLQPLMGGTESSISEPGSPSRNR
 ENETSQNLSECKVWRNPLNFRGAEYRRYTWTGKEPLTYYDMNLSAQDHTFFTCDDFLRPSDVTVMQ
 KAWRERNPPARIKAAAYQALELNNDCAAYVLLAEEEEATTIVDAERLQKALKAGETIYRQSQQCQHQSPQ
 HEAQLRRDQNVLYIKRRLAMCARKLGRIREAVKIMRDLMKFPPPLTMLNIHENLLESLELQAYPDVQA
 VLAKYDDISLPKSAICYAALLKTRTVSEKFSPETASRRGLSTAEINAVEAIHRAVEFNPHVPKYLLEM
 KSLILPPEHILKRGDSEAIAYAFFHLQHWKRIEGALNLLQCTWEGTFRMIPYPLEKGLFYYPYPSCTETA
 DRELLPTFHHVSVYPKELPLFIHFTAGFCSSAMIAILTHQFPEIMGIFAKAVLGLWCPQPWASSGFEE
 NTQDLKSEDLGLSSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8009_f05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_017744

ORF Size: 1725 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_017744.5](#)

RefSeq Size: 4552 bp

RefSeq ORF: 1728 bp

Locus ID: 54879

UniProt ID: [Q8TDW4](#)

Cytogenetics: 1p13.2

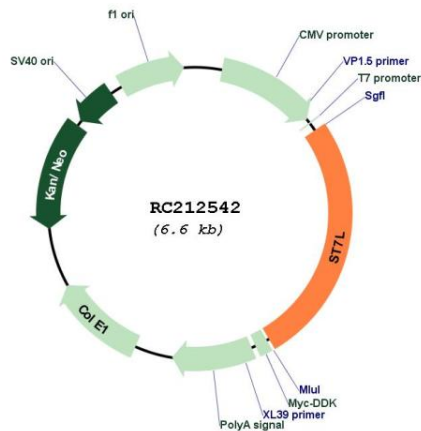
Domains: ST7

Protein Families: Transmembrane

MW: 64.6 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 RC212542