

Product datasheet for **RN213771**

ST7 (NM_001004102) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST7 (NM_001004102) Rat Untagged Clone
Tag:	Tag Free
Symbol:	ST7
Synonyms:	MGC124523
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213771 representing NM_001004102
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGAGGCGGGCTCGGGCTTCTGGAGCAGCTCAAGTCTGCATCGTGTGGTCTGGACCTATCTGT
 GGACCGTGTGGTTCTTCTCGTCTCTTCTGGTCTACATCCTGAGGGTGCCCTGAGGATCAACGACAA
 TCTGAGCACAGTGAAGCATGTTTTGAACACGTTAACCCCAAAGTTCTACGTGGCCCTGACAGGCACTTCC
 TCACTAATATCGGGACTATTTTTGATATTTGAATGGTGGTATTTTCGCAAGTATGGAACATCGTTCATTG
 AACAACTCTCAGTGAAGCACTTGCAGCCCTTCTGGTGGGGTGGACAACAACCTTCCAATAATTCTAA
 TTCCAGTAAATGGGGACTCAGATTTCAACAGGCAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCACTG
 AATTTGTTTAGGGGTGCTGAATAACAATCGGTACACTTGGGTACAGGACGAGAGCCTCTGACCTACTATG
 ACATGAACCTCTCTGCCAAGACCACCAGACCTTCTTTACCTGTGACTCGGACCATCTCCGTCCCGCAGA
 TGCAATAATGCAAAAAGCGTGGAGAGAGAGGAACCTCAAGCCAGGATTTCTGCAGCCCATGAAGCTTTG
 GAGATAAATGAGTGTGCAACTGCTTATATTTCTCTTGGCTGAAGAGGAAGCCACAACCTATTGCTGAAGCAG
 AAAAGCTCTTTAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGGCGTCTCAGCAGCTACAACATCA
 TGGCTCCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTGGTCTATATCAAAAAGAGGCTGGCA
 ATGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCCGTGAAGATGATGAGAGATTTAATGAAGGAGTTTC
 CCCTCTTAAGCATGTTCAATATCCATGAAAACCTTCTAGAAGCTCTTCTGGAACCTCAAGCCTATGCGGA
 TGTTTCAGGCAGTCTTAGCAAAGTATGATGATAAAGCTTACCAAAGTCGGCAACAATATGCTACACAGCG
 GCCCTGCTCAAAGCAAGAGCTGTCTCTGACAAAATCTCTCCAGAGGCTGCATCTCGGCGGGGGCTGAGCA
 CAGCAGAGATGAATGCAGTAGAAGCCATTCACAGAGCTGTGGAATTTAATCCACACAGTGAAGCAATATCT
 GCTAGAAAATGAAAAGCTTAATCCTCCCACCAGAGCACATCCTGAAGAGAGGAGACAGTGAAGCAATAGCA
 TATGCATTCTTTCATCTTGCACACTGGAAGAGGGTGAAGGGGCTTTGAATCTCTTGCAATTGACGTGGG
 AAGGCACTTTCGGATGATCCCATATCCTCTGGAGAAGGGGCACCTATTTTATCCATACCAATCTGTAC
 AGAGACAGCTGACCGGGAGCTACTTCCCTCTTCCATGAAGTCTCAGTTTACCAAAGAAGGAACTTCCC
 TTCTTCATCCTTCTACTGCTGGATTGTGTTCTTCCAGCCATGCTGGCCCTCTGACACATCAGTTTC
 CGGAACCTATGGGAGTCTTCGAAAAGCTTCTCAGCACTTTGTTTGCCCCCTGAACTTTGTTATGGA
 GAAAGTGAAAGCATCTCCCTCCAGTTGTGGCATCAGCTAACACGGAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001004102

Insert Size: 1665 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_001004102.1](#), [NP_001004102.1](#)

RefSeq Size: 2098 bp

RefSeq ORF: 1665 bp

Locus ID: 296911

Cytogenetics: 4q21