OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC109916

ST7 (NM_021908) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST7 (NM_021908) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST7
Synonyms:	ETS7q; FAM4A; FAM4A1; HELG; RAY1; SEN4; TSG7
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_021908, the custom clone sequence may differ by one or more nucleotides

ATGGCTGAAGCGGCCACGGGCTTTCTGGAGCAGCTCAAGTCCTGCATAGTTTGGTCTTGGACGTATCTGT
GGACCGTGTGGTTCTTCATCGTGCTATTCCTGGTCTACATCCTGCGGGTGCCTTTGAAAATCAACGACAA
CTTGAGCACAGTGAGCATGTTTTTGAACACATTAACACCGAAGTTCTACGTGGCCCTAACAGGCACTTCC
TCACTAATATCAGGGCTTATTTTGATATTTGAATGGTGGTATTTTCGCAAATACGGAACTTCATTCATTG
AACAAGTCTCAGTAAGCCACTTGCGCCCCCTTCTGGGAGGGGTTGACAACAACTCTTCCAACAATTCTAA
TTCCAGTAACGGGGACTCAGATTCCAATAGGCAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCACTA
AATTTATTTAGGGGTGCTGAATACAATCGGTATACTTGGGTGACAGGACGAGAGCCTCTTACTTACTATG
ACATGAATCTCTCTGCCCAAGACCACCAGACATTCTTTACTTGTGACTCGGACCATCTGCGTCCCGCAGA
TGCAATAATGCAGAAAGCCTGGAGAGAGAGAAACCCCCAAGCTAGGATTTCTGCAGCTCATGAAGCCTTG
GAGATAAATGAAATTAGGTCCAGAGTTGAAGTTCCCCTAATTGCTTCCTCTACCATCTGGGAGATAAAAT
TGTTACCAAAGTGTGCAACTGCTTATATTCTCTTGGCTGAAGAGGAAGCAACAACCATTGCTGAAGCAGA
AAAATTATTTAAGCAGGCCCTGAAGGCTGGAGATGGCTGTTACCGACGCTCTCAGCAGCTACAACATCAT
GGATCCCAGTATGAAGCCCAACATAGACGAGACACCAATGTCTTGGTGTACATCAAAAGAAGGCTAGCAA
TGTGTGCCAGAAGACTCGGGAGGACCAGGGAAGCAGTGAAAATGATGAGAGATTTAATGAAGGAGTTCCC
CCTTCTGAGTATGTTCAATATCCATGAAAACCTTTTAGAAGCCCTTCTGGAACTACAAGCATATGCTGAT
GTTCAGGCAGTCTTAGCAAAGTATGATGATATAAGCTTACCAAAGTCAGCAACAATATGCTACACAGCTG
CTTTGCTCAAAGCAAGAGCTGTCTCTGACAAATTCTCTCCTGAGGCTGCATCTCGGCGGGGGCTGAGCAC
AGCAGAGATGAATGCAGTAGAGGCCATTCATAGAGCTGTGGAATTCAATCCTCATGTGCCAAAATACCTA
CTAGAAATGAAAAGCTTAATCCTACCCCCAGAACATATCCTGAAGAGAGGAGACAGTGAAGCAATAGCAT
ATGCATTCTTTCATCTTGCACACTGGAAGAGAGTGGAAGGGGCTTTGAATCTTTTGCATTGTACGTGGGA
AGGCACTTTTCGGATGATCCCTTATCCCTTGGAAAAGGGGCACCTATTTTATCCTTACCCAATCTGTACA
GAAACAGCAGACCGAGAGCTGCTTCCATCTTTCCATGAAGTCTCAGTTTACCCAAAGAAGGAGCTTCCCT
TCTTTATTCTCTTTACTGCTGGATTATGTTCCTTCACAGCCATGCTGGCCCTCCTGACACATCAGTTCCC
GGAACTTATGGGGGTCTTCGCAAAAGCTATGATTGACATTTTCTGCTCGGCAGAGTTCAGGGACTGGAAT
TGCAAGAGTATTTTCATGCGTGTTGAAGATGAACTGGAAATCCCTCCGGCACCTCAATCTCAACATTTCC
AAAACTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_021908 unedited
CTTCACCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGC
AGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGCGA
ATTCGGCACCAGGAAAAGCCGGCGCGCCCGCGGCCCGCGCGATTTCCCGCCGAGCCCGCG
TCCCCGGCGGCGGGCGGGCTCCGGGGGCGCCCGGGCCGCGGCGGCGGCGGCGCGAGC
TGCGCCTCCGGGCCGGTGAATCATCCCGGCAGACACCAAGAGCCGCGGCAGCAGAGAGGA
GCGCTGAAACATGGCTGAAGCGGCCACGGGCTTTCTGGAGCAGCTCAAGTCCTGCATAGT
TTGGTCTTGGACGTATCTGTGGACCGTGTGGTTCTTCATCGTGCTATTCCTGGTCTACAT
CCTGCGGGTGCCTTTGAAAATAACGACAACTTGAGCACAGTGAGCATGTTTTTGAACACA
TTAACACCGAAGTTCTACGTGGCCCTAACAGGCACTTCCTCACTAATATCAGGGCTTATT
TTGATATTTGAATGGTGGTATTTTCGCAAATACGGAACTTCATTTCATTGAACAAGTCTC
AGTAAGCCCACTTTGCGCCCCTTCTGGGAGGGGTTTGACACAACTCTTNCNACANTTCTA
TTNCCAGTACGGGGACTCAGATTCCATAGGGCAAGTGTCTCAGAATGCAAAGTTTGGCGA
AATCCACTAATTTATTTAGGGGTGCTAGAATACATCGGTTATACTTGGGTGACAGAACGA
GGAGCTCTTACTTACTATGACATGAATTCTCTCTGCCAAAGAACCACAGAAATTCTTTAC
TGGTAACTCGGAACAATCTGCGTCCCGCAAAATGCATATGGCAAAAGGCCTCGAAGAGAA
GAAAACCCCAACTCTGGATTTTGGCTCTAAGAACCCTGGAAA

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_021908 unedited
GGGCAGCCCACCCGGGTATCTGTTTCAGGCAAACGCCTTATGACCCGCGGCCCGCAATCT
AAAAGTCGAGCCTCTTTTTCTCCCTTCCTGTACAACAAAACCAGCTCTCTTAATATGGAA
TACTCCCTGAACATTTTAAAATCTCGGAATGGCTTCCCTTTTTCAAAGTCATGCTTTCTT
GCGGTCCACAAGGATTTGGCACAGAAGATATGGTGGCAGCCGCGGGTGATGTGAGTGGAA
GACAGGGCTTCTCTCATATCCGTGTTAGCTGGTGCCACAGACTGGATGGGAAGATGCTCT
CCACTTTCTCCATGACAAATTTTAAGGGGGCAAACAAAGTGCTGAAGAAAGCTTTTGCGA
ACACCCCCATAAGTTCCGGGAACTGATGTGTCAAGAGGGCCAGCATGGCTGTGAAAGAAC
ATAATCCCGCAGTAAAGAAAATTAAAGAAAGGAAGCTCCTTCTTTGGGTAAACTGANACT
TTCTGGAAAAGAGGAACCAGCTCTCCGTTCTGCTGTTTCTGTCCAGATTGGGTAAAAGAT
AAAAAAGGTCCCCCTTTTCCAAGGATAAAGGTTCCTCCCCAAAATTCCCTTTCCCCCCTC
CATTTGAAAAATTTTTTACCCCCCCTCCCCCTCCTTCCCCTGGGGCAAAATAAAAAAAAT
GCGTTTCCTTTTTGTTTTCCGGGCCCCCCCTTTTTAAAAATTTTTTCTGGGGGGAAAAAA
ATAACACCTTCTTTTCCTCAAAAAATTTTTTCCCCCCCCCAAAAGTTTTTTTTCCCCCCC
CCTCTTTTATAGAGGGGCCCCNCTTTTTTTTTTTTTGTGGGTTTGTCCCCCCCCCCCCCC
CCNGGNNNNNNNNNAAAAAAATAAATAATATTATACAACCCCCTCGTTCTCTTT
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Restriction Sites: NotI-NotI

ACCN: NM_021908

Insert Size: 2050 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_021908.2, NP_068708.1

RefSeq Size: 2970 bp

RefSeq ORF: 1758 bp

Locus ID: 7982

UniProt ID: Q9NRC1

Cytogenetics: 7q31.2

Domains: ST7

Protein Families: Transmembrane

Gene Summary: The gene for this product maps to a region on chromosome 7 identified as an autism-susceptibility locus. Mutation screening of the entire coding region in autistic individuals failed to identify phenotype-specific variants, suggesting that coding mutations for this gene are unlikely to be involved in the etiology of autism. The function of this gene product has not been determined. Transcript variants encoding different isoforms of this protein have been described. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (b) encodes the longer isoform (b).