

Product datasheet for **SC109915**

ST7 (NM_018412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ST7 (NM_018412) Human Untagged Clone
Tag:	Tag Free
Symbol:	ST7
Synonyms:	ETS7q; FAM4A; FAM4A1; HELG; RAY1; SEN4; TSG7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC109915 sequence for NM_018412 edited (data generated by NextGen Sequencing)

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ATGGCTGAAGCGGCCACGGGCTTTCTGGAGCAGCTCAAGTCTGCATAGTTTGGTCTTGG
ACGTATCTGTGGACCGTGTGGTTCTTCATCGTGTATTCTCTGGTCTACATCTGCGGGTG
CCTTTGAAATCAACGACAACCTGAGCACAGTGAGCATGTTTTGAACACATTAACACCG
AAGTTCTACGTGGCCCTAACAGGCATTCCTCACTAATATCAGGGCTTATTTTGATATT
GAATGGTGGTATTTTCGCAAATACGGAACCTTCATTGAAACAAGTCTCAGTAAGCCAC
TTGCGCCCTTCTGGGAGGGTGGACAACAACCTTCCAACAATTCTAATTCAGTAAC
GGGACTCAGATTCCAATAGGCAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCACTA
AATTTATTTAGGGGTGCTGAATACAATCGGTATACTTGGGTGACAGGACGAGAGCCTCTT
ACTTACTATGACATGAATCTCTCTGCCAAGACCACCAGACATTCCTTACTTGTGACTCG
GACCATCTGCGTCCCGCAGATGCAATAATGCAGAAAGCCTGGAGAGAGAGAAACCCCAA
GCTAGGATTTCTGCAGCTCATGAAGCCTTGGAGATAAATGAGTGTGCAACTGCTTATATT
CTCTTGGCTGAAGAGGAAGCAACAACCATGCTGAAGCAGAAAAATTTAAGCAGGCC
CTGAAGGCTGGAGATGGCTGTTACCGACGCTCTCAGCAGCTACAACATCATGGATCCCAG
TATGAAGCCCAACATAGACGAGACACCAATGTCTTGGTGTACATCAAAGAAGGCTAGCA
ATGTGTGCCAGAAGACTCGGGAGGACCAGGGAAGCAGTAAAATGATGAGAGATTTAATG
AAGGAGTCCCTTCTGAGTATGTTCAATATCCATGAAAACCTTTAGAAAGCCCTTCTG
GAACTACAAGCATATGCTGATGTTCAAGCAGTCTTAGCAAAGTATGATGATATAAGCTTA
CCAAAGTCAGCAACAATATGCTACACAGCTGCTTGGCTCAAAGCAAGAGCTGTCTCTGAC
AAATCTCTCTGAGGCTGCATCTCGGCGGGGGCTGAGCACAGCAGAGATGAATGCAGTA
GAGGCCATTCATAGAGCTGTGGAATCAATCCTCATGTGCCAAAAACCTACTAGAAATG
AAAAGCTTAATCCTACCCCAAGACATATCCTGAAGAGAGGAGACAGTGAAGCAATAGCA
TATGCATTTCTTTCATCTTGCACACTGGAAGAGAGTGAAGGGGGCTTTGAATCTTTTGCAT
TGTACGTGGGAAGCACTTTTTCGGATGATCCCTTATCCCTTGGAAAAGGGGCACCTATTT
TATCCTTACCCAATCTGTACAGAAAACAGCAGACCGAGAGCTGCTTCCATCTTTCCATGAA
GTCTCAGTTTACCCAAAGAAGGAGCTTCCCTTCTTTATTTCTTTACTGCTGGATTATGT
TCCTTACAGCCATGCTGGCCCTCTGACACATCAGTTCCCGGAACCTTATGGGGTCTTC
GCAAAAGCTTTCTCAGCACTTTGTTTGGCCCTTAACTTTGTCATGGAGAAAGTGGAG
AGCATCTCCCATCCAGTCTGTGGCACCAGCTAACACGGATCTGA
    
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Clone variation with respect to NM_018412.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018412 unedited

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GTATATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGGNAAGCCGG
CGCGCCCGCGGCCGCTGCGATTTCCCGCCGAGCCCGCTCCCGGCGGGCGGGGCTC
CGGGGGCGCCGGGCGGCGGGCGGGCGGCGGAGCTGCGCCTCCGGGCCGGTGAAT
CATCCCGCAGACACCAAGAGCCGCGGCAGCAGAGAGGAGCGCTGAAACATGGCTGAAGC
GGCCACGGGCTTTCTGGAGCAGCTCAAGTCTGCATAGTTTGGTCTTGGACGTATCTGTG
GACCGTGTGGTCTTCATCGTGTATTCTCTGGTCTACATCCTGCGGGTGCCTTTGAAAAT
CAACGACAACCTTGAACAGTGAAGCATGTTTTTGAACACATTAACACCGAAGTTCTACGT
GGCCCTAACAGGCATTCCTCACTAATATCAGGGCTTATTTTGATATTTGAATGGTGGTA
TTTTTCGCAAATACGGAACCTTCATTGAAACAAGTCTCAGTAAGCCACTTGGCCCCCT
TCTGGGAGGGTTGACAACAACCTTTCAACAATTCTAATTCAGTAACGGGGACTCAGA
TTCCAATAGGCATAGTGTCTCAGAATGCAAAGTATGGCGAAATCCACTAAATCTATTTAC
GGGTGCTGAATACAATCGGTATACTTGGGTGACAGGACGAGAGCCTTTACTTACTATGA
CATGAATCTCTCTGCCAAGACCCAGACATTCCTTACTTGTGACTCCGACCATTTCGCT
TCCGCAGATGCCATAATGCAGAAAGCCTGGAGAGAGAGAAACCCCCAGCTTAGAATTTCT
TGACAGTTTACGGAACCTTGGGAGAAAATGAGCGTGCCACTGGCTTATTCCTTTGGCTGA
AGAGGAACACCACCTTGTGAAGCGAATAATTTAACC GCCCTGAAGCTGAGATGCTGT
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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 (a) lacks an alternate internal exon and contains an alternate 3' coding exon and 3' UTR, as compared to variant b. The resulting isoform (a) is shorter and has a distinct C-terminus, compared to isoform b.