

## Product datasheet for **MR230410**

### St7 (NM\_001289627) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St7 (NM_001289627) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St7
Synonyms:	9430001H04Rik; Fam4a2; HELG; RAY1; SEN4; TSG7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR230410 representing NM\_001289627  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAATATGCAGTGAGCATGTTTTTGAACACGTTAACCCCAAAGTTCTACGTGGCCCTGACAGGCACTT  
 CCTCGCTAATATCGGGACTTATTTTGATTTGAATGGTGGTATTTTCGCAAGTATGGAACATCTTTCAT  
 TGAACAAGTCTCCGTAAGCCACTTGCGCCCTTCTGGGAGGGTTGACAACAACCTTCCAATAATTCT  
 AATTCCAGTAATGGAGACTCAGATTCCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCAC  
 TGAATCTGTTTAGGGTGCAGAAATAATCGGTACACTGGGTACAGGACGAGAGCCTCTGACCTACTA  
 TGACATGAACCTCTGCCCAGGACCACCAGACATTCTTACTTGTGATTCAGATCATCTCGCCCTGCA  
 GATGCAATAATGCAAAAAGCTTGGAGAGAAAGGAACCTCAAGCCAGGATTTCTGCAGCTCATGAAGCCT  
 TGGAGATAAACGAAATTAGGTCCAGAGTTGAAGTCCCCTAATTGCTTCTCTACCATCTGGGAGATAAA  
 ATTTGTTACCAAAGTGTGCAACTGCGTACATTCTTTGGCGGAAGAAGAAGCGACAACATTTGCTGAAGCA  
 GAAAAACTCTTTAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGGCGCTCTCAGCAGCTACAACATC  
 ATGGGTCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAAAGGAGGCTGGC  
 GATGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTTAATGAAGGAGTTT  
 CCCCTCCTAAGCATGTTCAATATCCATGAGAACCTTCTAGAAGCTTCTTGAAGTCCAAGCTTATGCTG  
 ATGTTCCAGGCAGTCTTAGCAAAGTATGATGATATAAGCTTACCAAAGTCGGCGACAATATGCTACACAGC  
 CGCCCTGCTCAAAGCAAGAGCTGTCTCTGACAAATCTCTCCAGAGGCTGCGTCTCGGAGGGGCTGAGC  
 ACAGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGTGGAATTTAATCCACACGTGCCAAAATATC  
 TACTAGAAATGAAAAGCTTAATCTCCACCAGAACACATCCTGAAGAGAGGAGACAGTGAAGCCGATAGC  
 ATATGCATTCTTTCATCTTGCACACTGGAAGAGGGTGAAGGGGCTTTGAATCTCTTGCATTGTACGTGG  
 GAAGGCACCTTCCGGATGATCCCGTATCCCTGGAGAAGGGACACCTATTTTATCCATACCCAATCTGTA  
 CAGAAACAGCTGACCGGGAGCTGCTTCCCTCTTCCATGAAGTCTCAGTTTACCCAAAGAAGGAACCTCC  
 CTTCTTCACTCTTCACTGCTGGACTGTGCTCCTTACAGCCATGCTGGCCCTCTGACACATCAGTTT  
 CCGGAACCTATGGGAGTCTTCGCAAAAGCTTCTCAGCACTTTGTTGCCCCCTTGAACCTTGTATGG  
 AGAAAGTGAAAGCATCTCCCTCCAGTTTGTGGCATCAGCTGACACGGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230410 representing NM\_001289627  
 Red=Cloning site Green=Tags(s)

MKYAVSMFLNLTLPKFYVALTGTSSLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNSNNS  
 NSSNGDSDSNRQSVSECKVWRNPLNLFRAEYNYRTWVTGREPLTYDMNLSAQDHQTFCTDSDHLRPA  
 DAIMQKAWRERNPQARISAAHEALEINEIRSRVEVPLIASSTIWEIKLLPKCATAYILLAEAEATTIAEA  
 EKLFKQALKAGDGCYRRSQQLQHHGSQYEAQHRRTDNLVYIKRRLAMCARRLGRTREAVKMMRDLMKEF  
 PLLSMFNIHENLLEALLELQAYADVQAVLAKYDDISLPKSATICYTAALLKARAVSDKFSPEAASRRGLS  
 TAEMNAVEAIHRAVEFNPHVPKYLLEMKSLILPPEHILKRGDSEAIAYAFFHLAHWKRVEGALNLLHCTW  
 EGTFRMIPYPLEKGHLYPYPICETETADRELLPSFHEVSVYPKELPFFILFTAGLCSFTAMLALLTHQF  
 PELMGVFAKAFSTLFLAPLNFVMEKVESILPSSLWHQLTRI

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001289627

**ORF Size:** 1593 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\\_001289627.1](#), [NP\\_001276556.1](#)

**RefSeq Size:** 1944 bp

**RefSeq ORF:** 1596 bp

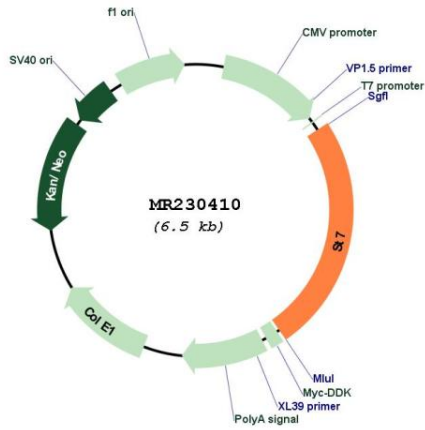
**Locus ID:** 64213

**UniProt ID:** [Q99M96](#)

Cytogenetics: 6 A2

MW: 61.1 kDa

Product images:



Circular map for MR230410