

## Product datasheet for **MR230490**

### St7 (NM\_001289626) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St7 (NM_001289626) 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:**

>MR230490 representing NM\_001289626  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCGAGGCGGGCGGGCTTCTGGAGCAGCTCAAGTCTGCATCGTGTGGTCTGGACCTATCTGT  
 GGACCGTGTGTTCTTCTCGTCTCTTCTGGTCTACATCCTGAGGGTGCCCTGAGGATCAACGACAA  
 CCTGAGCACAGTGAAGTATTTTTGAACACGTTAACCCCAAAGTTCTACGTGGCCCTGACAGGCACTTCC  
 TCGCTAATATCGGGACTATTTTTGATATTTGAATGGTGGTATTTTCGCAAGTATGGAACATCTTTTCATTG  
 AACAAAGTCTCCGTAAAGCCACTTGCGCCCTTCTGGGAGGGGTTGACAACAACCTTTCCAATAATTCTAA  
 TTCCAGTAAATGGAGACTCAGATTTCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCACTG  
 AATCTGTTTAGGGGTGCGGAATAAATCGGTACACTTGGGTCACAGGACGAGAGCCTCTGACCTACTATG  
 ACATGAACCTCTCTGCCAGGACCACCAGACATTTCTTACTTGTGATTGAGATCATCTTCGCCCTGCAGA  
 TGCAATAATGCAAAAAGCTTGGAGAGAAAGGAACCTCAAGCCAGGATTTCTGCAGCTCATGAAGCCTTG  
 GAGATAAACGAGTGTGCAACTGCGTACATTTCTTGGCGGAAGAAGAAGCGACAACCTATTGCTGAAGCAG  
 AAAAACTCTTAAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGGCGCTCTCAGCAGCTACAACATCA  
 TGGGTCCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAAAGAGGCTGGCG  
 ATGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTTAATGAAGGAGTTTC  
 CCCTCCTAAGCATGTTCAATATCCATGAGAACCTTCTAGAAGCTCTTCTGGAACCTCAAGCTTATGCTGA  
 TGTTACAGCAGTCTTAGCAAAGTATGATGATAAAGCTTACCAAAGTCGGCGACAATATGCTACACAGCC  
 GCCCTGCTCAAAGCAAGAGCTGTCTCTGACAAATCTCTCCAGAGGCTGCGTCTCGGAGGGGCTGAGCA  
 CAGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGTGGAATTTAATCCACACGTGCCAAAAATATCT  
 ACTAGAAATGAAAAGCTTAATCCTCCACACAGACACATCCTGAAGAGAGGAGACAGTGAAGCGATAGCA  
 TATGCATTCTTTCATCTTGCACACTGGAAGAGGGTGAAGGGGCTTTGAATCTCTTGCATTGTACGTGGG  
 AAGGCACTTTCGGATGATCCCCTATCCCCTGGAGAAGGGACACCTATTTTATCCATACCAATCTGTAC  
 AGAAACAGCTGACCGGGAGCTGCTTCCCTCTTCCATGAAGTCTCAGTTTACCAAAGAAGGAACTTCCC  
 TTCTTCTCCTTCTACTGCTGGACTGTCTCCTTACAGCCATGCTGGCCCTCTGACACATCAGTTTC  
 CGGAACCTATGGGAGTCTTCGAAAAGCTTCTCAGCACTTTGTTTGCCCTTGAACCTTGTATGGA  
 GAAAGTGAAAGCATCTCCCTCCAGTTGTGGCATCAGCTGACACGGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230490 representing NM\_001289626  
 Red=Cloning site Green=Tags(s)

MAEAGAGFLEQLKSCIVSWTYLWTVWFFLVFLVYILRVPLRINDNLSTVSMFLNLTLPKFYVALTGTS  
 SLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNSNNSNNGSDSDSNRQSVSECKVWRNPL  
 NLFRTAEYNYRWVTGREPLTYDMNLSAQDHQTFCTDSDHLRPADAIMQKAWRERNPQARISAAHEAL  
 EINECATAYILLAEAEATTIAEAEKLFKQALKAGDGCYRRSQQLQHGSQYEAQHRRDNTNLVYIKRRLA  
 MCARRLGRTEAVKMMRDLMEFPLL SMFNHENLLEALLELQAYADVQAVLAKYDDISLPKSATICYTA  
 ALLKARAVSDFKFSPEAASRRGLSTAEMNAVEAIHRAVEFNPHVPKYLLEMKSLILPPEHILKRGDSEIAI  
 YAFFHLAHWKRVEGALNLLHCTWEGTFRMIYPYPLEKGLFYYPYICTETADRELLPSFHEVSVYPPKELP  
 FFILFTAGLCSFTAMLALLTHQFPELMGVFAKAFLLSTLFAPLNFVMEKVESILPSSLWHQLTRI

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001289626

**ORF Size:** 1662 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\\_001289626.1](#), [NP\\_001276555.1](#)

**RefSeq Size:** 2141 bp

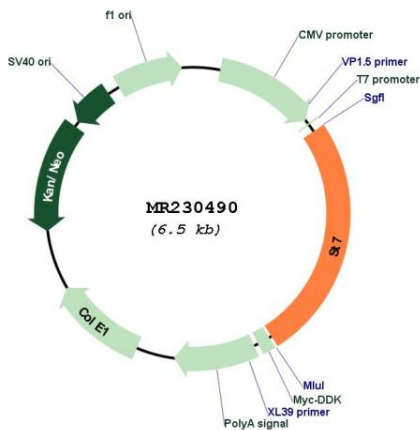
**RefSeq ORF:** 1665 bp

**Locus ID:** 64213

**Cytogenetics:** 6 A2

MW: 63.9 kDa

Product images:



Circular map for MR230490