

## Product datasheet for **MR230305**

### St7 (NM\_001289629) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	St7 (NM_001289629) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	St7
Synonyms:	9430001H04Rik; Fam4a2; HELG; RAY1; SEN4; TSG7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR230305 representing NM\_001289629  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAATATGCAGTGAGCATGTTTTTGAACACGTTAACCCCAAAGTTCTACGTGGCCCTGACAGGCACTT  
 CCTCGCTAATATCGGGACTTATTTTGAATTTGAATGGTGGTATTTTCGCAAGTATGGAACATCTTTCAT  
 TGAACAAGTCTCCGTAAGCCACTTGCGCCCTTCTGGGAGGGTTGACAACAACCTTCCAATAATTCT  
 AATTCCAGTAATGGAGACTCAGATTCCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCAC  
 TGAATCTGTTTAGGGTGCAGAAATAATCGGTACACTTGGGTACAGGACGAGAGCCTCTGACCTACTA  
 TGACATGAACCTCTGCCCAGGACCACCAGACATTCTTACTTGTGATTCAGATCATCTTCGCCCTGCA  
 GATGCAATAATGCAAAAAGCTTGGAGAGAAAGGAACCTCAAGCCAGGATTTCTGCAGCTCATGAAGCCT  
 TGGAGATAAACGAGTGTGCAACTGCGTACATTCTTGGCGGAAGAAGAAGCGACAACCTATTGCTGAAGC  
 AGAAAACTCTTAAAGCAGGCCCTGAAGCTGGAGATGGTTGTTACCGCGCTCTCAGCAGCTACAACAT  
 CATGGGTCCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAAAGAAGGCTGG  
 CGATGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTTAATGAAGGAGTT  
 TCCCTCCTAAGCATGTTCAATATCCATGAGAACCTTCTAGAAGCTCTTCTGGAACCTCAAGCTTATGCT  
 GATGTTACGGCAGTCTTAGCAAAGTATGATGATATAAGCTTACCAAAGTCGGCGACAATATGCTACACAG  
 CCGCCCTGCTCAAAGCAAGAGCTGTCTCTGACAAATCTCTCCAGAGGCTGCGTCTCGGAGGGGGCTGAG  
 CACAGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGTGGAATTTAATCCACAGTGCACAAATAT  
 CTACTAGAAATGAAAAGCTTAATCTCCACCAGAACACATCTGAAGAGAGGAGACAGTGAAGCGATAG  
 CATATGCATTCTTTCATCTTGCACACTGGAAGAGGGTGAAGGGCTTTGAATCTCTTGCATTGTACGTG  
 GGAAGGCACTTTCCGGATGATCCCGTATCCCTGGAGAAGGACACCTATTTTATCCATACCCAATCTGT  
 ACAGAAACAGCTGACCGGAGCTGCTTCCCTCTTCCATGAAGTCTCAGTTTACCCAAAGAAGGAACCTC  
 CCTTCTCATCTCTTCACTGCTGGACTGTCTCCTTACAGCCATGCTGGCCCTCTGACACATCAGTT  
 TCCGGAACCTATGGGAGTCTTCGCAAAAGCTTCTCAGCACTTTGTTTGCCTTGAACCTTGTATG  
 GAGAAAGTGAAAGCATCTCCCTCCAGTTTGTGGCATCAGCTGACACGGATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230305 representing NM\_001289629  
 Red=Cloning site Green=Tags(s)

MKYAVSMFLNLTTPKFYVALTGTSSLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNSNNS  
 NSSNGSDSNRQSVSECKVWRNPLNLFRAEYNYRTWVTGREPLTYYDMNLSAQDHQTFCTDSDHLRPA  
 DAIMQKAWRERNPQARISAAHEALEINECATAYILLAEAEATTIAEAEKLFKQALKAGDGCYRRSQQLQH  
 HGSQYEAQHRRDNTVLVYIKRRLAMCARRLGRTRAVKMMRDLMKEFPLLSMFNIHENLLEALLELQAYA  
 DVQAVLAKYDDISLPKSATICYTAALLKARAVSDKFSPEAASRRGLSTAEMNAVEAIHRAVEFNPHVPKY  
 LLEMKSLILPPEHILKRGDSEAIAYAFFHLAHWKRVEGALNLLHCTWEGTFRMIPYPLEKGHLFYYPYIC  
 TETADRELLPSFHEVSYPKELPFFILFTAGLCSFTAMLALLTHQFPELMGVFAKAFSTLFAPLNFVM  
 EKVESILPSSLWHQLTRI

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

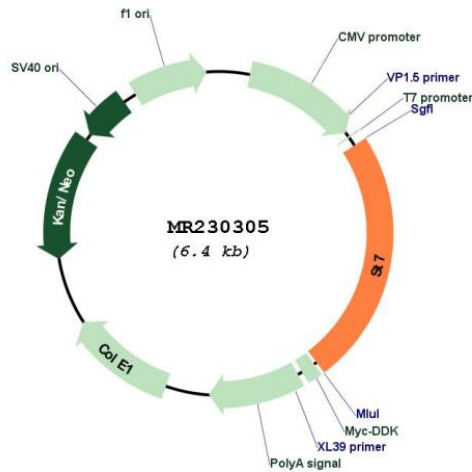
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



ACCN: NM\_001289629

ORF Size: 1524 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\\_001289629.1](#), [NP\\_001276558.1](#)

**RefSeq Size:** 1875 bp

**RefSeq ORF:** 1527 bp

**Locus ID:** 64213

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

**Cytogenetics:** 6 A2

**MW:** 58.5 kDa