

Product datasheet for **MR219104**

St7 (NM_001083315) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St7 (NM_001083315) 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:

>MR219104 representing NM_001083315
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGTACTGAATCTTCATTGAGCATGTTTTTGAACACGTTAACCCCAAAGTCTACGTGGCCCTGA
 CAGGCACTTCCTCGTAATATCGGGACTTATTTTGATATTTGAATGGTGGTATTTTCGCAAGTATGGAAC
 ATCTTTTATTGAACAAGTCTCCGTAAGCCACTTGCGCCCCCTTCTGGGAGGGGTTGACAACAACCTTCC
 AATAATTCTAATTCAGTAATGGAGACTCAGATCCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGC
 GAAATCCACTGAATCTGTTTAGGGGTGCGGAATAAATCGGTACACTGGGTACAGGACGAGAGCCTCT
 GACCTACTATGACATGAACCTCTGCCCAGGACCACCAGACATCTTTACTTGTGATTGAGATCATCTT
 CGCCCTGCAGATGCAATAATGCAAAAAGCTTGGAGAGAAAGAACCTCAAGCCAGGATTTCTGCAGCTC
 ATGAAGCCTTGGAGATAAACGAGTGTGCAACTGCGTACATTCTCTTGGCGGAAGAAGAAGCGACAACAT
 TGCTGAAGCAGAAAACTCTTTAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGGCGCTCTCAGCAG
 CTAACAACATCATGGGTCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAA
 GAAGGCTGGCGATGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTAAT
 GAAGGAGTTTCCCTCCTAAGCATGTTCAATATCCATGAGAACCCTTAGAAGCTCTTCTGGAATCCAA
 GCTTATGCTGATGTTTAGGCAGTCTTAGCAAAGTATGATGATAAAGCTTACCAAAGTCGGCGACAATAT
 GCTACACAGCCGCCCTGCTCAAAGCAAGAGCTGTCTCTGACAAATTTCTCCAGAGGCTGCGTCTCGGAG
 GGGGCTGAGCACAGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGGAAATTTAATCCACACGTG
 CCAAAAATCTACTAGAAATGAAAAGCTTAATCCTCCCACCAGAACACATCCTGAAGAGAGGAGACAGAG
 AAGCGATAGCATATGCATCTTTTCACTTGCACACTGGAAGAGGGTGAAGGGGCTTTGAATCTCTTGCA
 TTGTACGTGGGAAGGCATTTCCGGATGATCCCGTATCCCTGGAGAAGGACACCTATTTTATCCATAAC
 CCAATCTGTACAGAAACAGCTGACCGGGAGCTGCTCCCTCTTTCCATGAAGTCTCAGTTTACCCAAAGA
 AGGAACTCCCTTCTTCACTCTTCACTGCTGGACTGTGCTCCTTACAGCCATGCTGGCCCTCTGAC
 ACATCAGTTTCCGGAACCTATGGGAGTCTTCGAAAAGCTTTCTCAGCACTTTGTTTGGCCCTTGAAC
 TTTGTTATGGAGAAAGTGAAGCATCTCCCTCCAGTTTGTGGCATCAGCTGACACGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219104 representing NM_001083315
 Red=Cloning site Green=Tags(s)

MFGTESSL SMFLNLT LTPKFYVAL TGTSSLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNS
 NNSNSSNGSDSNRQSVSECKVWRNPLNFRGAENRYTWVTGREPLTYYDMNLSAQDHQTFCTCSDHL
 RPADAIMQKAWRERNPQARISAAHEALEINECATAYILLAEAEATTIAEAEKLFKQALKAGDGCYRRSQ
 LQHHGSQYEAQHRRDTNVLVYIKRRLAMCARRLGRTRAVKMMRDLMEKFPLLSMFNIHENLLEALLELQ
 AYADVQAVLAKYDDISLPKSATICYTAALLKARAVSDKFSPEAASRRGLSTAEMNAVEAIHRAVEFNPHV
 PKYLLEMKSLILPPEHILKRGDSEAIAYAFFHLAHWKRVGALNLLHCTWEGTFRMIYPLEKGHLYPY
 PICTETADRELLPSFHEVSVYPKKELPFFILFTAGLCSFTAMLALLTHQFPPELMGVFAKAFSTLFAPLN
 FVMEKVESILPSSLWHQLTRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

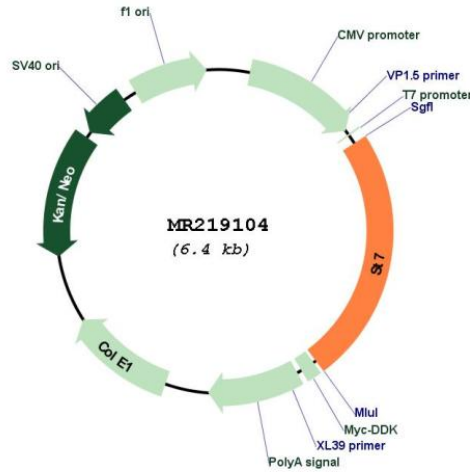
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001083315

ORF Size: 1533 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_001083315.2](#), [NP_001076784.1](#)

RefSeq Size: 2191 bp

RefSeq ORF: 1536 bp

Locus ID: 64213

UniProt ID: [Q99M96](#)

Cytogenetics: 6 A2

MW: 58.8 kDa