

Product datasheet for **MR208556**

St7 (NM_022332) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St7 (NM_022332) 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:

>MR208556 representing NM_022332
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTTGGTACTGAATCTTCATTGAGCATGTTTTTGAACACGTTAACCCCAAAGTCTACGTGGCCCTGA
 CAGGCACTTCTCGTAATATCGGGACTTATTTTGATATTTGAATGGTGGTATTTTCGCAAGTATGGAAC
 ATCTTTTATTGAACAAGTCTCCGTAAGCCACTTGCGCCCCCTTCTGGGAGGGGTTGACAACAACCTTTCC
 AATAATTCTAATTCAGTAATGGAGACTCAGATCCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGC
 GAAATCCACTGAATCTGTTTAGGGGTGCGGAATAAATCGGTACACTGGGTACAGGACGAGAGCCTCT
 GACCTACTATGACATGAACCTCTCTGCCAGGACCACCAGACATCTTTACTTGTGATTCAGATCATCTT
 CGCCCTGCAGATGCAATAATGCAAAAAGCTTGGAGAGAAAGAACCCCAAGCCAGGATTTCTGCAGCTC
 ATGAAGCCTTGGAGATAAACGAAATTAGTCCAGAGTTGAAGTCCCTAATTGCTTCTCTACCATCTG
 GGAGATAAAAATTGTTACCAAAGTGTGCAACTGCGTACATTCTCTTGGCGGAAGAAGAAGCGACAACATT
 GCTGAAGCAGAAAACTCTTAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGGCGCTCTCAGCAGC
 TACAACATCATGGGTCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAG
 AAGGCTGGCGATGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTTAATG
 AAGGAGTTTCCCTCCTAAGCATGTTCAATATCCATGAGAACCCTCTAGAAGCTCTTCTGGAACCTCAAG
 CTTATGCTGATGTTTACGGCAGTCTTAGCAAAGTATGATGATATAAGCTTACCAAAGTCCGGCACAATATG
 CTACACAGCCGCCCTGCTCAAAGCAAGAGCTGTCTTGACAAATCTCTCCAGAGGCTGCGTCTCGGAGG
 GGGCTGAGCACAGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGTGAATTTAATCCACACGTGC
 CAAAATATCTACTAGAAATGAAAAGCTTAATCCTCCACCAGAACACATCCTGAAGAGAGGAGACAGTGA
 ACGGATAGCATATGCATTCTTTCATCTTGACACTGGAAGAGGGTGAAGGGGCTTTGAATCTCTTGAT
 TGTACGTGGGAAGCACTTTCCGGATGATCCCGTATCCCTGGAGAAGGGACACCTATTTTATCCATACC
 CAATCTGTACAGAAACAGCTGACCGGGAGCTGCTTCCCTCTTCCATGAAGTCTCAGTTTACCCAAAGAA
 GGAACCTCCCTTCTTATCCTCTTCACTGCTGGACTGTGCTCCTTACAGCCATGCTGGCCCTCTGACA
 CATCAGTTTCCGGAACCTATGGGAGTCTTCGAAAAGCTTTCTCAGCACTTTGTTTGGCCCTTGAAC
 TTGTTATGGAGAAAGTGGAAAGCATCTCCCTCCAGTTGTGGCATCAGCTGACACGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208556 representing NM_022332
 Red=Cloning site Green=Tags(s)

MFGTESSL SMFLNLT LTPKFYVAL TGTSSLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNS
 NNSNSSNGSDSNRQSVSECKVWRNPLNFRGAEYNRYTWVTGREPLTYDMNLSAQDHTFFTCDSDDL
 RPADAIMQKAWRERNPQARISAAHEALEINEIRSRVEVPLIASSTIWEIKLLPKCATAYILLAEAEATTI
 AEAEKLFKQALKAGDGCYRRSQQLQHHSQYEAQHRRDTNVLVYIKRRLAMCARRLGRTRAVKMMRDLM
 KEFPLLSMFINHENLLEALLELQAYADVQAVLAKYDDISLPKSATICYTAALLKARAVSDKFSPEAASRR
 GLSTAEMNAVEAIHRAVEFNPHVPKYLLEMKSLILPPEHILKRGDSEAIYAFFHLAHWKRVEGALNLLH
 CTWEGTFRMIPYPLEKGHLYFPYPICTETADRELLPSFHEVSVYPKELPFFILFTAGLCSFTAMLALLT
 HQFPELMGVFAKAFLLSTLFLAPLNFVMEKVESILPSSLWHQLTRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9027_g01.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_022332

ORF Size: 1602 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_022332.3](#), [NP_071727.2](#)

RefSeq Size: 2286 bp

RefSeq ORF: 1605 bp

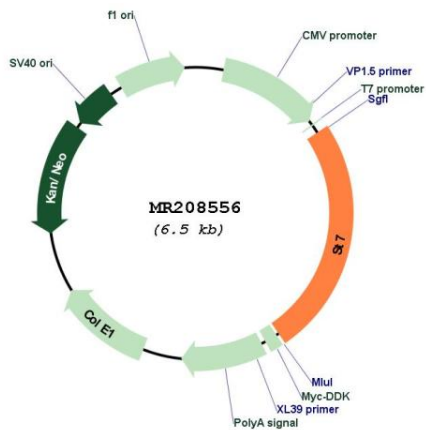
Locus ID: 64213

UniProt ID: [Q99M96](#)

Cytogenetics: 6 A2

MW: 61.4 kDa

Product images:



Circular map for MR208556