

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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230490 representing NM_001289626
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGAGGCGGGCGGGCTTCTGGAGCAGCTCAAGTCTGCATCGTGTGGTCTGGACCTATCTGT
 GGACCGTGTGTTCTTCTCGTCTCTTCTGGTCTACATCCTGAGGGTGCCCTGAGGATCAACGACAA
 CCTGAGCACAGTGAAGTATTTTTGAACACGTTAACCCCAAAGTTCTACGTGGCCCTGACAGGCACTTCC
 TCGCTAATATCGGGACTTATTTTGATATTTGAATGGTGGTATTTTCGCAAGTATGGAACATCTTTTCATTG
 AACAAAGTCTCCGTAAAGCCACTTGCGCCCTTCTGGGAGGGGTTGACAACAACCTTTCCAATAATTCTAA
 TTCCAGTAAATGGAGACTCAGATTCCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCACTG
 AATCTGTTTAGGGGTGCGGAATAAATCGGTACACTTGGGTCACAGGACGAGAGCCTCTGACCTACTATG
 ACATGAACCTCTCTGCCAGGACCACCAGACATTTCTTACTTGTGATTGAGATCATCTTCGCCCTGCAGA
 TGCAATAATGCAAAAAGCTTGGAGAGAAAGGAACCTCAAGCCAGGATTTCTGCAGCTCATGAAGCCTTG
 GAGATAAACGAGTGTGCAACTGCGTACATTTCTTGGCGGAAGAAGAAGCGACAACCTATTGCTGAAGCAG
 AAAAACTCTTAAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGGCGCTCTCAGCAGCTACAACATCA
 TGGGTCCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAGAAGGCTGGCG
 ATGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTTAATGAAGGAGTTTC
 CCCTCCTAAGCATGTTCAATATCCATGAGAACCTTCTAGAAGCTCTTCTGGAACCTCAAGCTTATGCTGA
 TGTTACAGCAGTCTTAGCAAAGTATGATGATAAAGCTTACCAAAGTCGGCGACAATATGCTACACAGCC
 GCCCTGCTCAAAGCAAGAGCTGTCTGACAAAATCTCTCCAGAGGCTGCGTCTCGGAGGGGCTGAGCA
 CAGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGTGGAATTTAATCCACACGTGCCAAAAATCT
 ACTAGAAATGAAAAGCTTAATCCTCCCACCAGAACACATCCTGAAGAGAGGAGACAGTGAAGCGATAGCA
 TATGCATTCTTTCATCTTGCACACTGGAAGAGGGTGAAGGGGCTTTGAATCTCTTGCATTGTACGTGGG
 AAGGCACTTTCGGATGATCCCCTATCCCCTGGAGAAGGGACACCTATTTTATCCATACCAATCTGTAC
 AGAAACAGCTGACCGGGAGCTGCTTCCCTCTTCCATGAAGTCTCAGTTTACCAAAGAAGGAACTCCC
 TTCTTCTCCTTCTACTGCTGGACTGTCTCCTTACAGCCATGCTGGCCCTCTGACACATCAGTTTC
 CGGAACCTATGGGAGTCTTCGAAAAGCTTCTCAGCACTTTGTTTGCCCTTGAACCTTGTATGGA
 GAAAGTGAAAGCATCTCCCCTCCAGTTGTGGCATCAGCTGACACGGATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230490 representing NM_001289626
 Red=Cloning site Green=Tags(s)

MAEAGAGFLEQLKSCIVSWTYLWTVWFFLVFLVYILRVPLRINDNLSTVSMFLNLTLPKFYVALTGTS
 SLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNSNSNSNGSDSNRQSVSECKVWRNPL
 NLFRGAEYNRYTWTGREPLTYIDMNLSAQDHQTFFTCDSDHLRPADAIMQKAWRERNPQARISAAHEAL
 EINECATAYILLAEAEATTIAEAEKLFKQALKAGDGCYRRSQQLQHHSQYEAQHRRDNLVYIKRRLA
 MCARRLGRTREAVKMMRDLKKEFPLLSMFNIHENLLEALLELQAYADVQAVLAKYDDISLPSKATICYTA
 ALLKARAVSDFKSPEAASRRGLSTAEMNAVEAIHRAVEFNPHVPKYLLEMKSLILPPEHILKRGDSEIAI
 YAFFHLAHWKRVEGALNLLHCTWEGFRMIPYPLEKGHLYFPYPICTETADRELLPSFHEVSVYPKELP
 FFILFTAGLCSFTAMLALLTHQFPELMGVFAKAFSTLFAPLNFMKVESILPSSLWHQLTRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

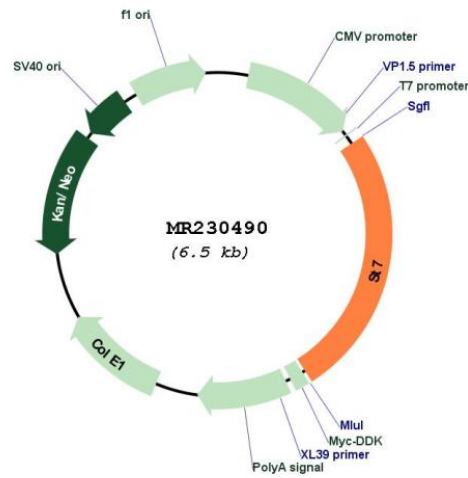
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



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:	<ol style="list-style-type: none">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