

Product datasheet for **MG209010**

St7 (BC024652) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | St7 (BC024652) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | St7 |
| Synonyms: | RAY1, HELG, SEN4, TSG7 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG209010 representing BC024652
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCGAGGCGGGCGGGCTTCTGGAGCAGCTCAAGTCTGCATCGTGTGGTCTGGACCTATCTGT
 GGACCGTGTGTTCTTCTCGTCTCTTCTGGTCTACATCCTGAGGGTGCCCTGAGGATCAACGACAA
 CCTGAGCACAGTGAAGTGTGTTTGAACACGTTAACCCCAAAGTTCTACGTGGCCCTGACAGGCACTTCC
 TCGCTAATATCGGGACTTATTTTGAATTTGAATGGTGGTATTTTCGCAAGTATGGAACATCTTTTATTG
 AACAAAGTCTCCGTAAGCCACTTGCGCCCTTCTGGGAGGGGTTGACAACAACCTTTCCAATAATTCTAA
 TTCCAGTAAATGGAGACTCAGATTCCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGCGAAATCCACTG
 AATCTGTTTAGGGGTGCGGAATAAATCGGTACACTTGGGTACAGGACGAGAGCCTCTGACCTACTATG
 ACATGAACCTCTCTGCCAGGACCACCAGACATTTTACTTGTGATTGAGATCATCTTCGCCCTGCAGA
 TGCAATAATGCAAAAAGCTTGGAGAGAAAGGAACCTCAAGCCAGGATTTCTGCAGCTCATGAAGCCTTG
 GAGATAAACGAAATTAGTCCAGAGTTGAAGTTCCTCAATTGCTTCTACCATCTGGGAGATAAAAT
 TGTACCAAAGTGTGCAACTGCGTACATTTCTTGGCGGAAGAAGAAGCGACAACCTATTGCTGAAGCAGA
 AAAACTCTTTAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGGCGCTCTCAGCAGCTACAACATCAT
 GGGTCCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAAAGAAGGCTGGCGA
 TGTGTGCCCGGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTTAATGAAGGAGTTTCC
 CCTCCTAAGCATGTTCAATATCCATGAGAACCTTCTAGAAGCTCTTCTGGAACCTCAAGCTTATGCTGAT
 GTTCAGGCAGTCTTAGCAAAGTATGATGATATAAGCTTACCAAAGTCGGCGACAATATGCTACACAGCCG
 CCTGCTCAAAGCAAGAGCTGTCTCTGACAAATCTCTCCAGAGGCTGCGTCTCGGAGGGGCTGAGCAC
 AGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGTGGAATTTAATCCACACGTGCCAAAATATCTA
 CTAGAAATGAAAAGCTTAACTCTCCACCAAGAACACATCTGAAGAGAGGAGACAGTGAAGCGATAGCAT
 ATGCATCTTTTCTCGCACACTGGAAGAGGGTGAAGGGGCTTGAATCTCTTGCATTCTTCCGGAT
 GATCCCGTATCCCTGGAGAAGGACACCTATTTTATCCATACCCAATCTGTACAGAAACAGCTGACCGG
 GAGCTGCTCCCTCTTCCATGAAGTCTCAGTTTACCAAAGAAGGAACCTCCCTTCTTCACTCTTCA
 CTGCTGGACTGTCTCCTCACAGCCATGCTGGCCCTCCTGACACATCAGTTTCCGGAACCTATGGGAGT
 CTTGCGAAAAGCTTCTCAGCACTTTGTTTGGCCCTTGAACCTTGTATGGAGAAAGTGGAAAGCATC
 TCCCCCTCAGTTTGTGGCATCAGCTGACACGGATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG209010 representing BC024652
 Red=Cloning site Green=Tags(s)

MAEAGAGFLEQLKSCIVSWTYLWTVWFFLVFLVYILRVPLRINDNLSTVSMFLNLTLPKFYVALTGTS
 SLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNSNNSNNGSDSNRQSVSECKVWRNPL
 NLFRTAEYNYRWVTGREPLTYDMNLSAQDHQTFCTDSDHLRPADAIMQKAWRERNPQARISAAHEAL
 EINEIRSRVEVPLIASSTIWEIKLLPKCATAYILLAEAEATTIAEAEKLFKQALKAGDGCYRRSQQLQHH
 GSQYEAQHRRDNTLVYIKRRLAMCARRLGRTRAVKMMRDLMKFPLLSMFNIHENLLEALLELQAYAD
 VQAVLAKYDDISLPKSATICYTAALLKARAVSDKFSPEAASRRGLSTAEMNAVEAIHRAVEFNPHVPKYL
 LEMKSLILPPEHILKRGDSEAIYAFFHLAHWKRVEGALNLLHSFRMIPYPLEKGHLYFPYPICTETADR
 ELLPSFHEVSVYPKELPFFILFTAGLCSFTAMLALLTHQFPELMGVFAKAFLLSTLFAPLNFVMEKVESI
 LPSSLWHQLTRI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

| | |
|-------------------------------|---|
| 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: | BC024652 , AAH24652 |
| RefSeq Size: | 2208 bp |
| RefSeq ORF: | 1718 bp |
| Locus ID: | 64213 |
| Cytogenetics: | 6 A2 |