

Product datasheet for **MG208556**

St7 (BC108418) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	St7 (BC108418) 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)



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ORF Nucleotide Sequence:

>MG208556 representing BC108418
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTTGGTACTGAATCTTCATTGAGCATGTTTTTGAACACGTTAACCCCAAAGTCTACGTGGCCCTGA
 CAGGCACTTCCTCGTAATATCGGGACTTATTTTGATATTTGAATGGTGGTATTTTCGCAAGTATGGAAC
 ATCTTTTATTGAACAAGTCTCCGTAAGCCACTTGCGCCCCCTTCTGGGAGGGGTTGACAACAACCTTTCC
 AATAATTCTAATTCAGTAATGGAGACTCAGATCCAACAGACAAAGTGTCTCAGAATGCAAAGTATGGC
 GAAATCCACTGAATCTGTTTAGGGGTGCGGAATAAATCGGTACACTGGGTACAGGACGAGAGCCTCT
 GACCTACTATGACATGAACCTCTCTGCCAGGACCACCAGACATTCTTTACTTGTGATTAGATCATCTT
 CGCCCTGCAGATGCAATAATGCAAAAAGCTTGGAGAGAAAGAACCCCAAGCCAGGATTCTGCAGCTC
 ATGAAGCCTTGGAGATAAACGAAATTAGGTCCAGAGTTGAAGTCCCTAATTGCTTCTCTACCATCTG
 GGAGATAAAAATTGTTACCAAAGTGTGCAACTGCGTACATTCTCTTGGCGGAAGAAGAAGCGACAACATT
 GCTGAAGCAGAAAACTCTTAAGCAGGCCCTGAAGGCTGGAGATGGTTGTTACCGCGCTCTCAGCAGC
 TACAACATCATGGGTCCAGTATGAAGCTCAACACAGACGAGACACCAATGTCTTAGTCTATATCAAAG
 AAGGCTGGCGATGTGCCCCGAGACTTGAAGGACCAGAGAAGCAGTGAAGATGATGAGAGATTTAATG
 AAGGAGTTTCCCCTCCTAAGCATGTTCAATATCCATGAGAACCCTCTAGAAGCTCTTCTGGAACCTCAAG
 CTTATGCTGATGTTTCCAGCAGTCTTAGCAAAGTATGATGATATAAGCTTACCAAAGTCCGGCACAATATG
 CTACACAGCCGCCCTGCTCAAAGCAAGAGCTGTCTTGACAAATCTCTCCAGAGGCTGCGTCTCGGAGG
 GGGCTGAGCACAGCAGAGATGAATGCAGTAGAAGCCATCCACAGAGCTGTGAATTTAATCCACACGTGC
 CAAAATATCTACTAGAAAATGAAAAGCTTAATCCTCCCACCAGAACACATCCTGAAGAGAGGAGACATGA
 AGCGATAGCATATGCATTCTTTCATCTTGACACTGGAAGAGGGTGAAGGGGCTTTGAATCTCTTGAT
 TGTACGTGGGAAGCACTTTCCGGATGATCCCGTATCCCCTGGAGAAGGGACACCTATTTTATCCATACC
 CAATCTGTACAGAAACAGCTGACCGGGAGCTGCTTCCCTCTTCCATGAAGTCTCAGTTTACCCAAAGAA
 GGAACCTCCCTTCTTATCCTCTTCACTGCTGGACTGTGCTCCTTACAGCCATGCTGGCCCTCCTGACA
 CATCAGTTTCCGGAACCTTATGGGAGTCTTCGAAAAGCTTCTCAGCACTTTGTTTGGCCCTTGAAC
 TTGTTATGGAGAAAGTGGAAAGCATCTCCCTCCAGTTGTGGCATCAGCTGACACGGATC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208556 representing BC108418
 Red=Cloning site Green=Tags(s)

MFGTESSL SMFLNLT LTPKFYVALTGTSSLISGLILIFEWYFRKYGTSFIEQVSVSHLRPLLGGVDNNS
 NNSNSSNGSDSNRQSVSECKVWRNPLNLFRAEYNRYTWTGREPLTYDMNLSAQDHQTFCTDSDHL
 RPADAIMQKAWRERNPQARISAAHEALEINEIRSRVEVPLIASSTIWEIKLLPKCATAYILLAEAEATTI
 AEAEKLFKQALKAGDGCYRRSQQLQHGSQYEAQHRRDNTNVLVYIKRRLAMCARRLGRTRAVKMMRDLM
 KEFPLLSMFNIHENLLEALLELQAYADVQAVLAKYDDISLPKSATICYTAALLKARAVSDFKFSPEAASRR
 GLSTAEMNAVEA IHRAVEFNPHVPKYLLEMKSLILPPEHILKRGDSEAIAYAFFHLAHWKRVEGALNLLH
 CTWEGTFRMIPYPLEKGHLFYPYICTETADRELLPSFHEVSVYPKELPFFILFTAGLCSFTAMLALLT
 HQFPELMGVFAKAFSTLFAPLNFVMEKVESILPSSLWHQLTRI

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

ACCN:	BC108418
ORF Size:	1604 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:	BC108418 , AAI08419
RefSeq Size:	2250 bp
RefSeq ORF:	1604 bp
Locus ID:	64213
Cytogenetics:	6 A2