

## Product datasheet for **MG218182**

### Isg20 (NM\_020583) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Isg20 (NM\_020583) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Isg20  
**Synonyms:** 20kDa; 1600023I01Rik; 2010107M23Rik; DnaQL; HEM45  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG218182 representing NM\_020583  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGGCATCCCAGAGGTGGTGGCCATGGACTGTGAGATGGTGGGGCTTGGCCCTCAAAGGGTGAGTG  
 GCCTCGCCCGCTGCAGCATTGTGAACATCCATGGCGCAGTCTGTATGACAAGTACATCCGACCCGAGGG  
 AGAGATCACGGACTACAGAACCAAGTCAGCGGGTCACGCCCTCAGCACATGGTGAGGGCCACGCCATTT  
 GGTGAAGCCAGGCTAGAGATCTGCAGCTTCTGAAAGGCAAGCTGGTGGTGGCCATGACCTGAAGCAGC  
 ACTTCAATGCCCTGAAGGAGGATATGAGCAAGTACACCATCTATGACACGTCCACAGACAGGCTGCTGTG  
 GCATGAGGCCAAGCTGCAGTACTACAGCCGAGTGTCCCTGAGGCTGCTGTGTAAGCGCCTGTACACAAG  
 AACATCCAGAACAACCTGGCGGGGCCACTGCTCTGTGGAAGATGCCAGGGCCACAATGGAGCTCTACAAAA  
 TCTCTCAGCGACTCAGAGCCCAGCGAGGGCTGCCTTGCCCTGGGACGTCAGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG218182 representing NM\_020583  
 Red=Cloning site Green=Tags(s)

MAGIPEVAMDCMVGLGPQRVSLARCSIVNIHGAVLYDKYIRPEGEITDYRTQVSGVTPQHMRATPF  
 GEARLEILQLLKGKLVVGHDLKHDFNALKEDMSKYTIYDSTDRLLWHEAKLQYYSRVSLRLLCKRLLHK  
 NIQNNWRGHCSVEDARATMELYKISQRLRAQRGLPCPGTSD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

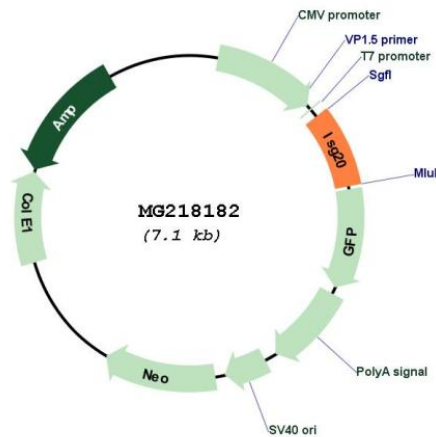


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_020583

ORF Size: 543 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_020583.5</a></u> , <u><a href="#">NP_065608.2</a></u>
<b>RefSeq Size:</b>	1098 bp
<b>RefSeq ORF:</b>	546 bp
<b>Locus ID:</b>	57444
<b>UniProt ID:</b>	<u><a href="#">Q9JL16</a></u>
<b>Cytogenetics:</b>	7 D2
<b>Gene Summary:</b>	Interferon-induced antiviral exoribonuclease that acts on single-stranded RNA and also has minor activity towards single-stranded DNA. Exhibits antiviral activity against RNA viruses in an exonuclease-dependent manner. May also play additional roles in the maturation of snRNAs and rRNAs, and in ribosome biogenesis (By similarity).[UniProtKB/Swiss-Prot Function]