

## Product datasheet for **MR229103**

### Isg20 (NM\_001291220) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Isg20 (NM\_001291220) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Isg20  
**Synonyms:** 20kDa; 1600023I01Rik; 2010107M23Rik; DnaQL; HEM45  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229103 representing NM\_001291220  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCAGGCATCCAGAGGTGGTGGCCATGGACTGTGAGATGGTGGGGCTTGGGCCTCAAAGGGTGAGTG  
GCCTCGCCCGCTGCAGCATTGTGAACATCCATGGCGCAGTCTGTATGACAAGTACATCCGACCCGAGGG  
AGAGATCACGGACTACAGAACCAAGTCAGCGGGGTCACGCCTCAGCACATGGTGAGGGCCACGCCATTT  
GGTGAAGCCAGGCTAGAGATCCTGCAGCTTCTGAAAGGCAAGCTGGTGGTGGGCCATGACCTGAAGCAGG  
ACTTCAATGCCCTGAAGGAGGATATGAGCAAGTACACCATCTATGACACGTCCACAGACAGGCTGCTGTG  
GCATGAGGCCAAGCTGCAGTACTACAGCCGAGTGTCCCTGAGGCTGCTGTGTAAGCGCCTGCTACACAAG  
AACATCCAGGTCCTGCCTGGCAGCCTCTTGGGGGTTGGAGGATGCATCTTGCCAGGCACTGACATCCTTC  
ATCTTCTGCTCTATGTCGGAATGGTCAGGATTGCTGATCTCCGCTTGCTGACGCCCTTCTACCTCCGAG  
CTGCCTCGCTTGCCCACTGCTCCCGGAGAGTCTTGCTTCTGCTCGCTCGCACGCTGTTATTTCTGCCCTG  
TCCAGCTCTAGTACCTGCTGACACCCCTCCCAAACCCGAGTCAGGGACCTCAGGGACACGTGGACAGAC  
TGAGCGGCCAGCTCCAGGACTGGGGAGGCAGCCCTTAGCTCCTGCTCCTGCTGTCGAGAACAAC  
GGCGGGGCACTGCTCTGTGGAAGATGCCAGGGCCACAATGGAGCTCTACAAAATCTCTCAGCGACTCAG  
AGCCAGCGAGGGCTGCCTTGCCCTGGGACGTCAGACTGAACTTCATCCTCATCCAGGGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229103 representing NM\_001291220  
 Red=Cloning site Green=Tags(s)

MAGIPEVVAMDCEMVGLGQPRVSGLARCSIVNIHGAVLYDKYIRPEGEITDYRTQVSGVTPQHMVRATPF  
 GEARLEILQLLKGKLVVGHDLKHDFNALKEDMSKYTIYDSTDRLWHEAKLQYYSRVSLRLLCKRLLHK  
 NIQVLPGSLLGVGGCILPGTDILHLLL YGVMVRIADLRLLTPFLPPSCLACPLLPELSASARSHAVISAL  
 SSSSHLLTLPNPSQGPQGHVDRLSGQLQDWGGSPLAPALPVSAEQLAGPLL CGRCQGHNGALQNL SATQ  
 SPARAALPWDVRLNFILIQG

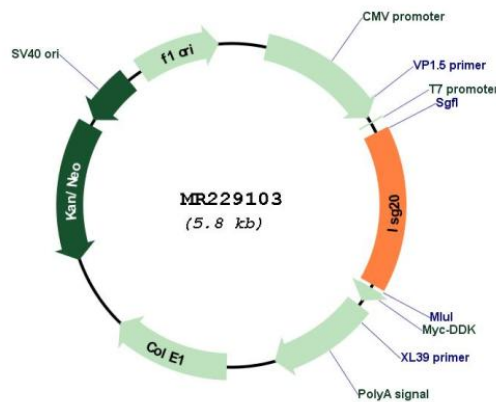
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001291220

**ORF Size:** 900 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	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>	<a href="#">NM_001291220.1</a> , <a href="#">NP_001278149.1</a>
<b>RefSeq Size:</b>	1225 bp
<b>RefSeq ORF:</b>	903 bp
<b>Locus ID:</b>	57444
<b>UniProt ID:</b>	<a href="#">Q9JL16</a>
<b>Cytogenetics:</b>	7 D2
<b>MW:</b>	33 kDa
<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]