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# Product datasheet for MC226892

## Isg20 (NM_001291220) Mouse Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Isg20 (NM_001291220) Mouse Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Isg20 |
| **Synonyms:** | 20kDa; 1600023I01Rik; 2010107M23Rik; DnaQL; HEM45 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-Entry (PS100001) |
| **E. coli Selection:** | Kanamycin (25 ug/mL) |

**Fully Sequenced ORF:**

```
>MC226892 representing NM_001291220
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGGCATCCCAGAGGTGGTGGCCATGGACTGTGAGATGGTGGGGCTTGGGCCTCAAAGGGTGAGTG
GCCTCGCCCGCTGCAGCATTGTGAACATCCATGGCGCAGTCCTGTATGACAAGTACATCCGACCCGAGGG
AGAGATCACGGACTACAGAACCCAAGTCAGCGGGGTCACGCCTCAGCACATGGTGAGGGCCACGCCATTT
GGTGAAGCCAGGCTAGAGATCCTGCAGCTTCTGAAAGGCAAGCTGGTGGTGGGCCATGACCTGAAGCACG
ACTTCAATGCCCTGAAGGAGGATATGAGCAAGTACACCATCTATGACACGTCCACAGACAGGCTGCTGTG
GCATGAGGCCAAGCTGCAGTACTACAGCCGAGTGTCCCTGAGGCTGCTGTGTAAGCGCCTGCTACACAAG
AACATCCAGGTCCTGCCTGGCAGCCTCTTGGGGGTTGGAGGATGCATCTTGCCAGGCACTGACATCCTTC
ATCTTCTGCTCTATGTCGGAATGGTCAGGATTGCTGATCTCCGCTTGCTGACGCCCTTTCTACCTCCGAG
CTGCCTCGCTTGCCCACTGCTCCCGGAGAGTCTTGCTTCTGCTCGCTCGCACGCTGTTATTTCTGCCCTG
TCCAGCTCTAGTCACCTGCTGACACCCCTCCCAAACCCGAGTCAGGGACCTCAGGGACACGTGGACAGAC
TGAGCGGCCAGCTCCAGGACTGGGGAGGCAGCCCCTTAGCTCCTGCTCTCCCTGTGTCTGCAGAACAACT
GGCGGGGCCACTGCTCTGTGGAAGATGCCAGGGCCACAATGGAGCTCTACAAAATCTCTCAGCGACTCAG
AGCCCAGCGAGGGCTGCCTTGCCCTGGGACGTCAGACTGAACTTCATCCTCATCCAGGGTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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|---|---|
| **Restriction Sites:** | SgfI-MluI |
| **ACCN:** | NM_001291220 |
| **Insert Size:** | 903 bp |

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This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
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| **OTI Disclaimer:** | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| **OTI Annotation:** | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag. |
| **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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_001291220.1, NP_001278149.1 |
| **RefSeq Size:** | 1225 bp |
| **RefSeq ORF:** | 903 bp |
| **Locus ID:** | 57444 |
| **UniProt ID:** | Q9JL16 |
| **Cytogenetics:** | 7 D2 |
| **Gene Summary:** | 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]<br>Transcript Variant: This variant (4) represents the longest transcript and encodes the longer isoform (a). |

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