

Product datasheet for **RG203178**

ISG20 (NM_002201) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISG20 (NM_002201) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ISG20
Synonyms: CD25; HEM45
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203178 representing NM_002201
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTGGGAGCCGTGAGGTGGTGGCCATGGACTGCGAGATGGTGGGGCTGGGGCCCCACCGGGAGAGTG
 GCCTGGCTCGTTGCAGCCTCGTGAACGTCCACGGTGTGTGTGTACGACAAGTTCATCCGGCCTGAGGG
 AGAGATCACCGATTACAGAACCCGGGTACGCGGGTCAACCCTCAGCACATGGTGGGGCCACACCATTT
 GCCGTGGCCAGGCTAGAGATCCTGCAGCTCCTGAAAGGCAAGCTGGTGGTGGTGCATGACCTGAAGCAGC
 ACTTCCAGGCACTGAAAGAGGACATGAGCGGCTACACAATCTACGACACGTCCTGACAGGCTGTTGTG
 GCGTGAGGCCAAGCTGGACCACTGCAGGCGTGTCTCCCTGCGGGTGTGAGTGAGCGCCTCTGCACAAG
 AGCATCCAGAACAGCCTGCTTGACACAGCTCGGTGGAAGATGCGAGGGCAACGATGGAGCTCTATCAA
 TCTCCAGAGAATCCGAGCCCGCCGAGGCTGCCCGCCTGGCTGTGTCAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203178 representing NM_002201
 Red=Cloning site Green=Tags(s)

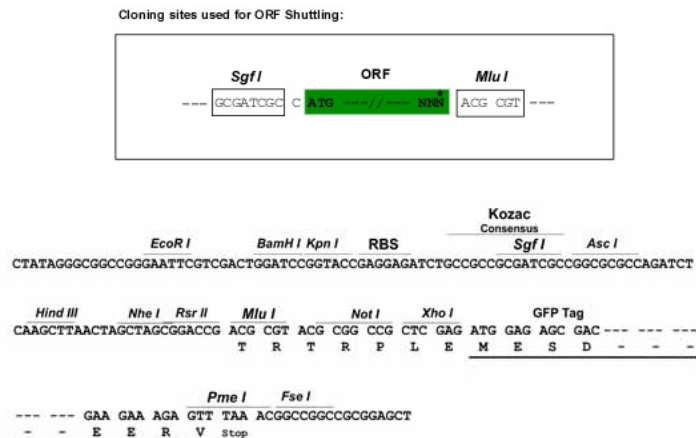
MAGSREVVAMDCMVGLGPHRESGLARCSLVNVHGAVLYDKFIRPEGEITDYRTRVSGVTPQHVMGATPF
 AVARLEILQLKGLVVGHDLDKDFQALKEDMSGYTIYDSTDRLLWREAKLDHCRVRVLSERLLHK
 SIQNSLLGHSSVEDARATMELYISQIRARRGLPRLAVSD

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_002201

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.

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.
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: [NM_002201.4](#), [NP_002192.2](#)

RefSeq Size: 974 bp

RefSeq ORF: 546 bp

Locus ID: 3669

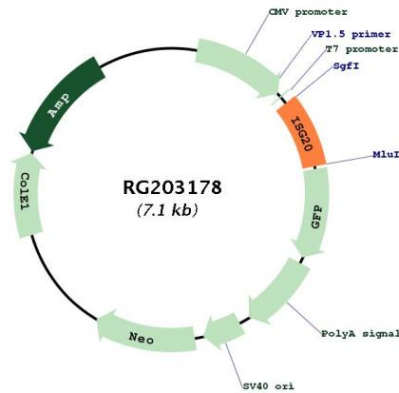
UniProt ID: [Q96AZ6](#)

Cytogenetics: 15q26.1

Domains: EXOIII

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 including hepatitis C virus (HCV), hepatitis A virus (HAV) and yellow fever virus (YFV) in an exonuclease-dependent manner. May also play additional roles in the maturation of snRNAs and rRNAs, and in ribosome biogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203178