

Product datasheet for **RC236183**

ISG20 (NM_001303237) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISG20 (NM_001303237) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ISG20
Synonyms: CD25; HEM45
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236183 representing NM_001303237
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGGGAGCCGTGAGGTGGTGGCCATGGACTGCGAGATGGTGGGGCTGGGGCCCCACGGGAGAGTG
GCCTGGCTCGTTGCAGCCTCGTGAACGTCCACGGTGTGTGTGTACGACAAGTTCATCCGGCCTGAGGG
AGAGATACCCGATTACAGAACCCTGGTCCAGCGGGTCCACCTCAGCACATGGTGGGGGCCACACCATTT
GCCGTGGCCAGGCTAGAGGCACTGAAAGAGGACATGAGCGGCTACACAATCTACGACACGTCCACTGACA
GGCTGTTGTGGCGTGAGGCCAAGCTGGACCACTGCAGGCGTGTCTCCCTGCGGGTGTGAGTGAGCGCCT
CCTACACAAGAGCATCCAGAACAGCCTGCTTGGACACAGCTCGGTGGAAGATGCGAGGGCAACGATGGAG
CTCTATCAAATCTCCAGAGAATCCGAGCCCGCAGGGGTGCCCGCCTGGCTGTGTCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236183 representing NM_001303237
Red=Cloning site Green=Tags(s)

MAGSREVVAMDCMVGLGPHRESGLARCSLVNVHGAVLYDKFIRPEGEITDYRTRVSGVTPQHMGVATPF
AVARLEALKEDMSGYTIYDTSTDRLLWREAKLDHCRVSLRVLSEKLLHKSISQSLGHSSVEDARATME
LYQISQIRARRGLPRLAVSD

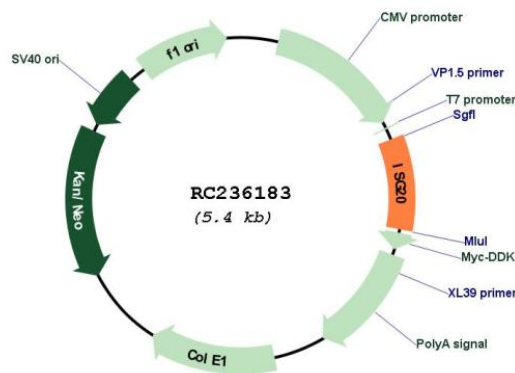
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001303237

ORF Size: 483 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:	<u>NM_001303237.2</u>
RefSeq Size:	1657 bp
RefSeq ORF:	486 bp
Locus ID:	3669
Cytogenetics:	15q26.1
MW:	18.5 kDa
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]