

Product datasheet for **RC236241**

ISG20 (NM_001303235) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISG20 (NM_001303235) 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: >RC236241 representing NM_001303235
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAACTATCAGGTGTGAGGAGGGTCTAGTGAATCTCTTCTTTCAAAGATGATACATTTGAAGCCC
AGGGAGGACTGATAATTTGCCAAAGTACACAGCCAGTCAAGGAGGGATTGCTCCCTTGCCAGCCCCAG
CCCCACCAGAAGATGCTGGGTATGTAGGGTGGGCACATGTCTCCTGGCCAGATCCTGCAGCTCCTG
AAAGGCAAGCTGGTGGTGGGTACGACTGAAGCAGACTTCCAGGCACTGAAAGAGGACATGAGCGGCT
ACACAATCTACGACACGTCCACTGACAGGCTGTTGTGGCGTGAGGCCAAGCTGGACCACTGCAGGCGTGT
CTCCCTGCGGGTCTGAGTGAGCGCCTCTACACAAGAGCATCCAGAACAGCCTGCTTGGACACAGCTCG
GTGGAAGATGCGAGGGCAACGATGGAGCTCTATCAAATCTCCAGAGAATCCGAGCCCAGGAGGGCTGC
CCCGCCTGGCTGTGTCAGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

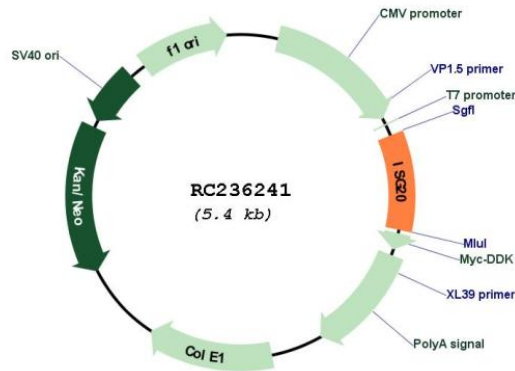
Protein Sequence: >RC236241 representing NM_001303235
Red=Cloning site Green=Tags(s)
MKLSGVRRLVQSLLFKDDTFEAQGLIICPRSHSQSRRDCSLASPSPTQKMLGHVGVGTCLPGQILQLL
KGKLVVGHDLKHDFQALKEDMSGYTIYDSTDRLWLWREAKLDHCRRVSLRVLSERLLHKSINSLLGHSS
VEDARATMELYQISQRIRARRGLPRLAVSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:

Plasmid Map:


ACCN: NM_001303235

ORF Size: 510 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_001303235.2</u>
RefSeq Size:	3070 bp
RefSeq ORF:	513 bp
Locus ID:	3669
Cytogenetics:	15q26.1
MW:	19.6 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]