

Product datasheet for **RG236242**

ISG20 (NM_001303236) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISG20 (NM_001303236) 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: >RG236242 representing NM_001303236.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAACTATCAGGTGTGAGGAGGGTCCTAGTGAATCTCTTCTTTCAAAGATGATACATTTGAAGCC
CAGGGAGGACTGATAATTTGCCAAGGTCACACAGCCAGTCAAGGAGGGATTGCTCCCTGCCAGCCCC
AGCCCCACCCAGAAGATGCTGGGTCATGTAGGGTGGGCACATGTCTTCTGCCAGATCCTGCAGCTC
CTGAAAGGCAAGCTGGTGGTGGGTCATGACCTGAAGCAGCACTCCAGGCACTGAAAGAGGACATGAGC
GGCTACACAATCTACGACAGTCCACTGACAGGCTGTTGTGGCGTGAGGCAAGCTGGACCACTGCAGG
CGTGTCTCCCTGCGGGTCTGAGTGAGCGCCTCTACACAAGAGCATCCAGAACAGCCTGCTTGGACAC
AGCTCGGTGGAAGATGCGAGGGCAACGATGGAGCTCTATCAAATCTCCAGAGAATCCGAGCCCGCGA
GGGCTGCCCGCCTGGCTGTGTCAGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236242
Blue=ORF Red=Cloning site Green=Tag(s)

```
MKLSGVRRLVQSLLFKDDTFEAQGLIICPRSHSQSRRDCSLASPSPTQKMLGHVGVGTCLPGQILQL
LKGKLVVGHDLKHDFQALKEDMSGYTIYDTSTDRLWLWREAKLDHCRRVSLRVLSEKLLHKSIIQNSLLGH
SSVEDARATMELYQISQIRARRGLPRLAVSD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI

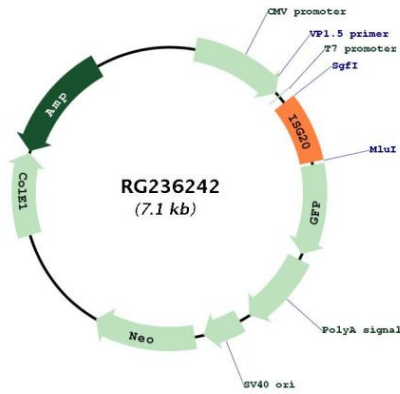


[View online »](#)

Cloning Scheme:


- ACCN:** NM_001303236
- 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).
- RefSeq:** [NM_001303236.2](#)
- RefSeq Size:** 3694 bp
- RefSeq ORF:** 513 bp
- Locus ID:** 3669
- UniProt ID:** [Q96AZ6](#)
- 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]

Product images:



Circular map for RG236242