

Product datasheet for **RG236329**

ISG20 (NM_001303234) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISG20 (NM_001303234) 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: >RG236329 representing NM_001303234.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGGGAGCCGTGAGGTGGTGGCCATGGACTGCGAGATGGTGGGGCTGGGGCCCCACCGGGAGAGT
GGCCTGGCTCGTTGCAGCCTCGTGAACGTCACCGGTGCTGTGCTGTACGACAAGTTCATCCGGCCTGAG
GGAGAGATCACCGATTACAGAACCCGGGTACGCGGGTCAACCCCTCAGCACATGGTGGGGCCACACCA
TTTGCCGTGGCCAGGCTAGAGATCCTGCAGCTCCTGAAAGGCAAGCTGGTGGTGGTGCATGACCTGAAG
CAGGACTTCCAGGCACTGAAAGAGGACATGAGCGGCTACACAATCTACGACACGTCCTGACAGGCTG
TTGTGGCGTGAGGCCAAGCTGGACCACTGCAGGCGTGTCTCCCTGCGGGTGTGAGTGAGCGCCTCCTA
CACAAGAGCATCCAGAACAGCCTGCTTGGACACAGCTCGGTGGAAGATGCGAGGGCAACGATGGAGCTC
TATCAAATCTCCAGAGAATCCGAGCCCGGAGGGCTGCCCCGCTGGCTGTGTGAGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236329
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAGSREVVAMDCMVGLGPHRESGLARCSLVNVHGAVLYDKFIRPEGEITDYRTRVSGVTPQHMGVATP
FAVARLEILQLLKGKLVVGHDLKHDFQALKEDMSGYTIYDSTDRLWREAKLDHCRVSLRVLSEKLL
HKSIQNSLLGHSSVEDARATMELYQISQIRARRGLPRLAVSD
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLVHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI

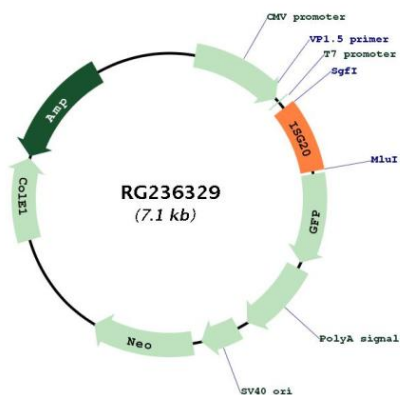


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Cloning Scheme:


- ACCN:** NM_001303234
- 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).
- RefSeq:** [NM_001303234.2](#)
- RefSeq Size:** 1573 bp
- RefSeq ORF:** 546 bp
- Locus ID:** 3669
- UniProt ID:** [Q96AZ6](#)
- Cytogenetics:** 15q26.1
- MW:** 20.8 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 RG236329