

Product datasheet for SC319212

ISG20 (NM_002201) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ISG20 (NM_002201) Human Untagged Clone
Tag:	Tag Free
Symbol:	ISG20
Synonyms:	CD25; HEM45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002201.4

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CCTGACATGGAGCCTGCCAGCTCCGTGAGCCCTGACTCGGCCCGGAGCTGAGCTCCCCAC
CTGCCGGTAGCCAGGAGATGGAGCAGCCAGCCACGTGCCCGCCTTCCGCCCTGAC
TTCACTTGATAACAACTAGAACTGAAACAGGGTCGGGATGCCGATGCCGGCTTGGAGT
TAGAGATGAGTCACCGCTGAGAGCAGCTGCAGTAGCTGAGCAGTGGCAGCAGAGAGGCAG
ACGTGAGCTGAGGGCGCAGAGGCAGGCAGCATCTCTGAGGGTCCCCAAGGAGCATGGCTG
GGAGCCGTGAGGTGGTGGCCATGGACTGCGAGATGGTGGGGCTGGGGCCCCACCGGGAGA
GTGGCCTGGCTCGTTGCAGCCTCGTGAACGTCCACGGTGTGTGTGTACGACAAGTTCA
TCCGGCCTGAGGGAGAGATCACCGATTACAGAACCCGGGTGAGCGGGGTACCCCTCAGC
ACATGGTGGGGGCCACACCATTTGCCGTGGCCAGGCTAGAGATCTGCAGCTCCTGAAAG
GCAAGCTGGTGGTGGGTGATGACCTGAAGCACGACTTCCAGGCACTGAAAGAGGACATGA
GCGGCTACACAATCTACGACACGTCCACTGACAGGCTGTTGTGGCGTGAGGCCAAGCTGG
ACCACTGCAGGCGTGTCTCCCTGCGGGTGTGAGTGAGCGCCTCCTGCACAAGAGCATCC
AGAACAGCCTGCTTGGACACAGCTCGGTGGAAGATGCGAGGGCAACGATGGAGCTCTATC
AAATCTCCAGAGAATCCGAGCCCGCCGAGGGCTGCCCGCCTGGCTGTGTGAGACTGAA
GCCCCATCCAGCCCGTTCCGAGGGACTAGAGGCTTTCGGCTTTTGGGACAGCAACTAC
CTTGCTTTTGAAAATACATTTTAATAGTAAAGTGGCTCTATATTTCTCTACGCAAAA
AAAAAAAAAAAAA
  
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Restriction Sites: Please inquire

ACCN: NM_002201

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002201.4</u> , <u>NP_002192.2</u>
RefSeq Size:	974 bp
RefSeq ORF:	546 bp
Locus ID:	3669
UniProt ID:	<u>Q96AZ6</u>
Cytogenetics:	15q26.1
Domains:	EXOIII
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1, 2, and 3 all encode the same isoform (a).</p>