

Product datasheet for SC116926

ISG15 (NM_005101) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ISG15 (NM_005101) Human Untagged Clone
Tag: Tag Free
Symbol: ISG15
Synonyms: G1P2; hUCRP; IF115; IMD38; IP17; UCRP
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005101 edited
 GAATTCGGCACGAGGCTCATCTTTGCCAGTACAGGAGCTCGTGCCGTGGCCACAGCCCA
 CAGCCACAGCCATGGGCTGGGACCTGACGGTGAAGATGCTGGCGGGCAACGAATCCAG
 GTGTCCCTGAGCAGCTCCATGTCGGTGTGAGAGCTGAAGGCGCAGATCACCCAGAAGATC
 GGCGTGCACGCCTTCCAGCAGCGTCTGGCTGTCCACCCGAGCGGTGTGGCGCTGCAGGAC
 AGGGTCCCCCTTGCCAGCCAGGGCTGGGCCCGGCAGCACGGTCTGCTGGTGGTGGAC
 AAATGCGACGAACCTCTGAGCATCTGGTGAGGAATAACAAGGGCCGCAGCAGCACCTAC
 GAGGTGCGGCTGACGCAGACCGTGGCCACCTGAAGCAGCAAGTGAAGCGGGCTGGAGGGT
 GTGCAGGACGACCTGTTCTGGCTGACCTTCGAGGGGAAGCCCTGGAGGACCAGCTCCCG
 CTGGGGGAGTACGGCCTCAAGCCCTGAGCACCGTGTTCATGAATCTGCGCCTGCGGGGA
 GCGGGCACAGAGCCTGGCGGGCGGAGCTAAGGGCCTCCACCAGCATCCGAGCAGGATCAA
 GGGCCGAAATAAAGGCTGTTGTAAGAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAACTCGAC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005101 unedited</p> <pre>GCCGGTTCANATATTTGTATACGACTACTATAGGGCGGCCCGCAATCGGCACGAGGCT CATCTTTGCCAGTACAGGAGCTCGTGCCGTGGCCACAGCCCACAGCCCACAGCCATGGG CTGGGACCTGACGGTGAAGATGCTGGCGGGCAACGAATTCAGGTGTCCCTGAGCAGCTC CATGTCGGTGTGACAGCTGAAGGCGCAGATCACCCAGAAGATCGGCGTGCACGCCTTCCA GCAGCGTCTGGCTGTCCACCCGAGCGGTGTGGCGCTGCAGGACAGGGTCCCCCTTGCCAG CCAGGGCCTGGGCCCGGCAGCACGGTCTGCTGGTGGTGGACAAATGCGACGAACCTCT GAGCATCCTGGTGAAGAAATAACAAGGGCCGACGACACCTACGAGGTGCGGCTGACGCA GACCGTGGCCACCTGAAGCAGCAAGTGAGCGGCTGGAGGGTGTGCAGGACGACCTGTT CTGGCTGACCTTCGAGGGGAAGCCCTGGAGGACCAGCTCCCGCTGGGGGAGTACGGCCT CAAGCCCCTGAGCACCGTGTTCATGAATCTGCGCCTGCGGGGAGGCGGCACAGAGCCTGG CGGGCGGAGCTAAGGGCCTCCACCAGCATCCGAGCAGGATCAAGGGCCGGAAATAAAGGC TGTTGTNNNGAGANAAAAAANNAAAAAANAAAAAANAAAAAANAAAAAANAAAAAANAAAAA TCTAGATTGCGGCCGCGTTCATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTG ACCCCTCCCATGCTCTCCTGGCCCTGGAGTTGCCACTCCAGTGCCACCAGCCTTGT CCTAATAAAATAAGTTGCATCATTTTGTCTGACTAGGTGCCCTCATAATATATGGGAGG GGGNGC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005101 unedited</p> <pre>TATGAACCGACGGCCGATTTCTAGAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTCTTTTACAACAGCCTTTATTTCCGGCCCTTGATCCTGCTCGGAT GCTGGGGGAGGCCCTTAACCTCGCCCGCCAGGCTTTGTGCCGCTCCCCGCAGGCGCAAA TTCATGAACACGGGGCTAAGGGGCTTGAGGCCGTACTCCCCAGGGGGAGCTGGTCTCC AGGGGCTTCCCCTCAAAGGTCAGCCAAAACAGGTCCTGCACACCCTCCAGCCCGTTC ACTTGCTGTTAAGGGGGGCCACGGTCTGCGTCAGCCGCACCTCGTAGGGGCTGTGCGG CCCTTGTTATTCTCACCAGGATGCTCAAAGGTTGTCGCAATTTGTCCACCACCAACAGG ACCGTGTGTCGGGGGCCAGGCCCTGGCTGGCAAGGGGGACCCTGCTCTGAAGCGCCACA CCGTTCCGGTGGACAGCCAAACGCTGTTGGAAGGCGTGCACCCCAATCTTTGGGAGATC TGCGCCTTCAGCTTTGACACCGACATGGAGCTGTTGAGGACACCTGGAATTCGTTGCC GCCAAATTTTTACCGCCAGGTCCTTGGACTTGAAAAAAGAACCTTTGCCCCAAATTACCCGG CCCGCCCTATTAGTGAGATTGCAATCACAAAACCTTCTGAACGGTTAACCTAAAACAAGCC TCCTCTTAAATTAACCTTTCCCCCGAAAACCTTCAACGTCCAATTGGCCCCACCGG GTGGGGGGTAATTACCACCATTTTGGAAACGAACTCTTGATTTGGGGCCAAAACAAA CTCCCTATGACCCACATGGGGG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_005101
Insert Size:	690 bp
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).
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:	NM_005101.1 , NP_005092.1
RefSeq Size:	634 bp
RefSeq ORF:	498 bp
Locus ID:	9636
UniProt ID:	P05161
Cytogenetics:	1p36.33
Domains:	UBQ
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	RIG-I-like receptor signaling pathway
Gene Summary:	The protein encoded by this gene is a ubiquitin-like protein that is conjugated to intracellular target proteins upon activation by interferon-alpha and interferon-beta. Several functions have been ascribed to the encoded protein, including chemotactic activity towards neutrophils, direction of ligated target proteins to intermediate filaments, cell-to-cell signaling, and antiviral activity during viral infections. While conjugates of this protein have been found to be noncovalently attached to intermediate filaments, this protein is sometimes secreted. [provided by RefSeq, Dec 2012]