

## Product datasheet for SC303134

### Interferon alpha10 (IFNA10) (NM\_002171) Human Untagged Clone

#### Product data:

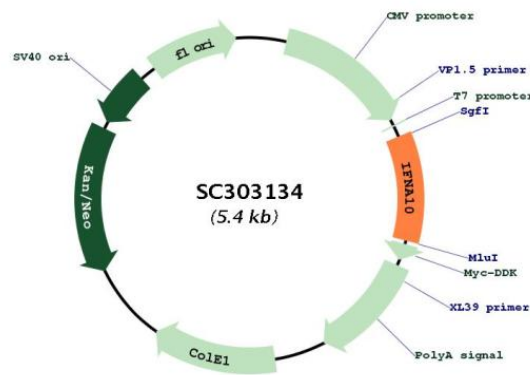
Product Type:	Expression Plasmids
Product Name:	Interferon alpha10 (IFNA10) (NM_002171) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFNA10
Synonyms:	IFN-alphaC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303134 representing NM_002171. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCTGTCCTTTTCTTACTTATGGCCGTGCTGGTGCTCAGCTACAAATCCATCTGTTCTCTAGGC
TGTGATCTGCCTCAGACCCACAGCCTGGGTAATAGGAGGGCCTTGATACTCCTGGGACAAATGGGAAGA
ATCTCTCCTTTCTCCTGCCTGAAGGACAGACATGATTTCCGAATCCCCAGGAGGAGTTTGATGGCAAC
CAGTTCAGAAGGCTCAAGCCATCTCTGTCTCCATGAGATGATCCAGCAGACCTCAATCTCTTCAGC
ACAGAGGACTCATCTGCTGCTTGGGAACAGAGCCTCCTAGAAAAATTTTCCACTGAACCTTACCAGCAA
CTGAATGACCTGGAAGCATGTGTGATACAGGAGGTTGGGGTGGAAAGAGACTCCCCTGATGAATGAGGAC
TCCATCCTGGCTGTGAGGAAATACTTCCAAAGAATCACTCTTTATCTAATAGAGAGGAAATACAGCCCT
TGTGCCTGGGAGGTTGTGAGAGCAGAAATCATGAGATCCCTCTCGTTTTTCAACAACTTGCAAAAAAGA
TTAAGGAGGAAGGATTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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**Plasmid Map:**


**ACCN:** NM\_002171

**Insert Size:** 570 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).

**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:**

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:	<a href="#">NM_002171.2</a>
RefSeq Size:	963 bp
RefSeq ORF:	570 bp
Locus ID:	3446
UniProt ID:	<a href="#">P01566</a>
Cytogenetics:	9p21.3
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Antigen processing and presentation, Autoimmune thyroid disease, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Jak-STAT signaling pathway, Natural killer cell mediated cytotoxicity, Regulation of autophagy, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
MW:	21.8 kDa
Gene Summary:	This gene encodes a protein that belongs to the type I interferon family of proteins, and is located in a cluster of alpha interferon genes on chromosome 9. Interferons are small regulatory molecules that function in cell signaling in response to viruses and other pathogens or tumor cells. This gene is intronless and the encoded protein is secreted. [provided by RefSeq, Aug 2013]