

Product datasheet for **SC314001**

IFFO (IFFO1) (NM_080730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFFO (IFFO1) (NM_080730) Human Untagged Clone
Tag:	Tag Free
Symbol:	IFFO1
Synonyms:	HOM-TES-103; IFFO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

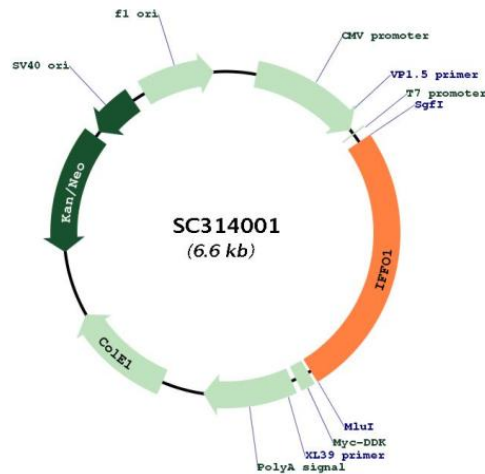


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Fully Sequenced ORF: >SC314001 representing NM_080730.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAATCCGTTATTCGGCCCCAACCTCTTCCTCCTGCAGCAGGAGCAGCAGGGCCTGGCCGGCCACTG
GGGACTCACTGGGAGGCGACCACTTCGCCGGGGAGGAGACTTGCCCCGGCGCCTCTCTCGCCGGCC
GGCCTGCTGCCTACTCGCCGCCCGGGCCGGGCCCGCCCGCCTGCCGCATGGCCTCCGCAATGAC
CTGGGCTCCAACATCAACGTGCTCAAGACCCTGAACCTCCGGTTCGCTGCTTCTGGCCAAGGTGCAT
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TCCCCGGCGGCCCTCGCGCCCTCCGCGCCAGCCTCTCGTCGCTCCACCTCCACCTCCACCACC
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TCTCTGCTTTCACTGCGGTCCCGCTTAGCGACCCCGCCCGCCCAAGCGAGGCTGAGGACTCCGAT
CGCGATGTCTCATCTGACAGCTCCATGAGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_080730

Insert Size: 1689 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: [NM_080730.4](#)

RefSeq Size: 2716 bp

RefSeq ORF: 1689 bp

Locus ID: 25900

UniProt ID: [Q0D2I5](#)

Cytogenetics: 12p13.31

Domains: filament

Protein Families: Druggable Genome

MW: 62.3 kDa

Gene Summary: This gene is a member of the intermediate filament family. Intermediate filaments are proteins which are primordial components of the cytoskeleton and nuclear envelope. The proteins encoded by the members of this gene family are evolutionarily and structurally related but have limited sequence homology, with the exception of the central rod domain. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]
Transcript Variant: This variant (2) encodes isoform 2. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.