

Product datasheet for **SC310760**

IFFO (IFFO1) (NM_001039670) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: IFFO (IFFO1) (NM_001039670) Human Untagged Clone
Tag: Tag Free
Symbol: IFFO
Synonyms: HOM-TES-103; IFFO
Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001039670, the custom clone sequence may differ by one or more nucleotides

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ATGAATCCGTTATTTCGGCCCAACCTCTTCTCCTGCAGCAGGAGCAGCAGGGCCTGGCC
GGGCCACTGGGGACTCACTGGGAGGCGACCACTTCGCCGGGGAGGAGACTTGCCCCG
GCGCCTCTCTCGCCGGCCGGCCCTGCTGCCTACTCGCCGCCGGGCGGGCCCGCCCCG
CCTGCCGCCATGGCCCTCCGCAATGACCTGGGCTCCAACATCAACGTGCTCAAGACCCTG
AACCTCCGGTCCGCTGCTTCTGGCCAAGGTGCATGAGCTGGAGCGCCGGAACCGGCTG
TTGGAGAAGCAACTGCAGCAAGCGCTGGAGGAGGTAAGCAGGGCCGGCGGGCCTGGGT
CGTCGCGACCAGGCAGTGCAGACCGGCTTCGTCAGCCCCATCCGGCCCCCTGGGGTGCAG
CTGGGCGCCCCGGCCGGCCGCTGTCTGCAGCCCTTCGGCGCGCGTCTGGGCTCGCCCCG
CGTCCCCCGCCGGCCCCCTCGCGCCCTCCGCGGCCAGCCTCTCGTCGTCTCCACCTCC
ACCTCCACCACCTATTCTCGTCGGCCCGCTTCATGCCCGGCACCATCTGGTCGTCTCG
CACGCCCGCCGGCTCGGGCCGGGACTGGAGCCCACTCTGGTGCAAGGGCCTGGCTGTGC
TGGGTGCACCCGGATGGGGTGGGCGTCCAGATCGACACCATCACGCCGAGATCCGCGCT
CTCTACAACGTGCTGGCCAAAGTGAAGCGGGAGCGGGACGAGTACAAGCGGAGGTGGGAA
GAGGAGTACACGGTCCGATCCAGCTGCAAGACCGTGTAAATGAGCTCCAGGAGGAAGCC
CAGGAGGCTGATGCCTGCCAGGAGGAGCTGGCACTGAAGGTGGAACAGTTGAAGGCTGAG
CTGGTGGTCTTCAAGGGCTCATGAGTAACAACCTGTCCGAGCTGGACACCAAGATCCAG
GAGAAAGCCATGAAGGTGGATATGGACATCTGCCGCCGATCGACATCACCGCCAAGCTC
TGCGATGTGGCTCAGCAGCGCAACTGCGAGGACATGATCCAGATGTTCCAGAAGAAGCTG
GTCCCATCCATGGGGGGCGGAAGCGGGAGCGCAAGGCTGCCGTGAGGAGGACACCTCC
CTGTCCGAGAGTGAGGGGCCCGCCAGCCCGATGGGGATGAGGAGGAGAGCACAGCCCTC
AGCATCAACGAGGAGATGCAGCGCATGCTCAACCAGCTGAGGGAGTATGATTTTGAGGAC
GACTGTGACAGCCTGACTTGGGAGGAGACTGAGGAGACCCTGCTGCTTTGGGAGGATTC
TCAGGCTATGCCATGGCAGCTGCAGAGGCCAGGAGAGCAGCAGGAAGATAGCCTGGAG
AAGGTGATTAAAGATACGGAGTCCCTGTTCAAAACCCGGGAGAAGGAGTATCAGGAGACC
ATTGACCAGATAGAGCTGGAGTTGGCCACGGCCAAGAACGACATGAACCGGCACCTGCAC
GAGTACATGGAGATGTGCAGCATGAAGCGCGCCCTGGACGTGCAGATGGAGACCTGCCGC
CGGCTCATACCCAGTCTGGAGACCGAAAGTCTCTGCTTTCACTGCGGTCCCCTTAGC
GACCCCGCCCGCCGCAAGCGAGGCTGAGGACTCCGATCGCGATGTCTCATCTGACAGC
TCCATGAGATAG

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Restriction Sites:	Please inquire
ACCN:	NM_001039670
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:	<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_001039670.1</u> , <u>NP_001034759.1</u>
RefSeq Size:	2683 bp
RefSeq ORF:	1692 bp
Locus ID:	25900
UniProt ID:	<u>Q0D2I5</u>
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) uses an alternate in-frame splice site in the central coding region, compared to variant 2, resulting in an isoform (4) that is 1 aa longer than isoform 2.</p>