

Product datasheet for **RC223475**

IFFO (IFFO1) (NM_001039670) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFFO (IFFO1) (NM_001039670) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IFFO
Synonyms:	HOM-TES-103; IFFO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC223475 representing NM_001039670
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCCGTTATTTCGGCCCCAACCTCTTCCTCCTGCAGCAGGAGCAGCAGGGCCTGGCCGGGCCACTGG
 GGGACTCACTGGGAGGCGACCACTTCGCCGGGGAGGAGACTTGCCCCGGCGCCTCTCTCGCCGGCCGG
 CCCTGCTGCCTACTCGCCGCCGGGGCGGGCCCGCCCTGCCGCCATGGCCCTCCGCAATGACCTG
 GGCTCCAACATCAACGTGCTCAAGACCTGAACCTCCGGTTCGCTGCTTCTGGCCAAGGTGCATGAGC
 TGGAGCGCCGAACCGGCTGTTGGAGAAGCACTGCAGCAAGCGCTGGAGGAGGTAAGCAGGGCCGGCG
 GGGCCTGGGTGCTCGGACCAAGGAGTGCAGACCGGCTTCGTAGCCCCATCCGGCCCTGGGGTGCAG
 CTGGGCGCCCGCCGGCCGCTGTCTGCAGCCCTTCGGCGCGCTGCTGGGCTCGCCCGCGCTCCCCGG
 CCGGCCCCCTCGCGCCCTCCGGGCCAGCCTCTCGTCTCTCCACCTCCACCTCCACCACCTATTCCTC
 GTCGGCCCGCTTCATGCCCGGCACCATCTGGTCTTCTCGCAGCCCGCCGGCTCGGGCCGGGACTGGAG
 CCCACTCTGGTGCAAGGGCCTGGCTTGTCTGGGTGCACCCGGATGGGGTGGGCGTCCAGATCGACACCA
 TCACGCCCAGATCCGCGCTCTCTACAACGTGCTGGCCAAAGTGAAGCGGAGCGGGACGAGTACAAGCG
 GAGGTGGGAAGAGGAGTACACGGTGCAGTCCAGCTGCAAGACCGTGTAAATGAGCTCCAGGAGGAAGCC
 CAGGAGGCTGATGCCTGCCAGGAGGAGCTGGCACTGAAGGTGGAACAGTTGAAGGCTGAGCTGGTGGTCT
 TCAAGGGGCTCATGAGTAACAACCTGTCGGAGCTGGACACCAAGATCCAGGAGAAAGCCATGAAGGTGGA
 TATGGACATCTGCCGCCGCATCGACATACCCGCCAAGCTCTGCGATGTGGCTCAGCAGCGCAACTGCGAG
 GACATGATCCAGATGTTCCAGAAGAAGTGGTCCCATCCATGGGGGGCGGAAGCGGGAGCGCAAGGCTG
 CCGTCGAGGAGGACACCTCCCTGTCGGAGAGTGAAGGGCCCCGCCAGCCGATGGGGATGAGGAGGAGAG
 CACAGCCCTCAGCATCAACGAGGAGATGCAGCGCATGCTCAACCAGCTGAGGGAGTATGATTTTGAGGAC
 GACTGTGACAGCCTGACTTGGGAGGAGACTGAGGAGACCTGCTGCTTTGGGAGGATTTCTCAGGCTATG
 CCATGGCAGTGCAGAGGCCAGGGAGAGCAGCAGGAAGATAGCCTGGAGAAGGTGATTAAGATACGGA
 GTCCCTGTTCAAAACCCGGGAGAAGGAGTATCAGGAGACCATTGACCAGATAGAGCTGGAGTTGGCCACG
 GCCAAGAACGACATGAACCGGCACCTGCACGAGTACATGGAGATGTGCAGCATGAAGCGCGGCTGGACG
 TGCAGATGGAGACCTGCCCGGCTCATACCCAGTCTGGAGACCGAAAGTCTCTGCTTCTACTGCGGT
 CCCGCTTAGCGACCCGCCGCCGCCCAAGCGAGGCTGAGGACTCCGATCGCGATGTCTCATCTGACAGC
 TCCATGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

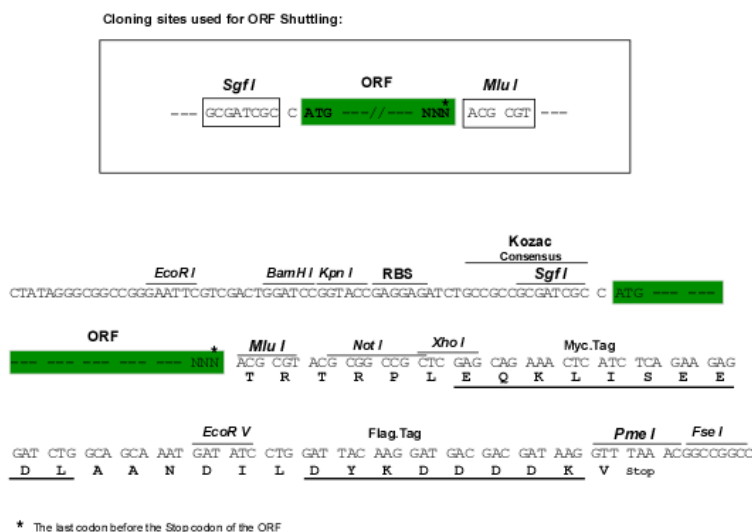
>RC223475 representing NM_001039670
 Red=Cloning site Green=Tags(s)

MNPLFGPNLFLLQQEQQLAGPLGDSLGGDHFAGGGDLPPAPLSPAGPAAYSPPGPGPAPPAAMALRNDL
 GSNINVLKTLNLRFRFLAKVHELERRNRLLEKQLQQALEEGKQRRRLGRRDQAVQTGFVSPIRPLGLQ
 LGARPAAVCSPSARVLGSPARSPAGPLAPSAASLSSSTSTSTTYSSSARFMPGTIWSFSHARRLPGLE
 PTLVQGPGLSWVHPDGVGVQIDTITPEIRALYNVLAKVKRERDEYKRRWEEYTVRIQLQDRVNELQEEA
 QEADACQEELALKVEQLKAEVVFKGLMSNNLSELDTKIQEKAMKVDMDICRRIDITAKLCDVAQQRNCE
 DMIQMFQKKLVPSMGGRRKRERKAAVEEDTSLSESGPRQPDGDEEESTALSINEEMQRMNLQREYDFED
 DCDSL TWEETEETLLWEDFSGYAMAAEAQGEQQEDSLEKVIKDTESLFTREKEYQETIDQIELELAT
 AKNDMNRHLHEYMEMCSMKRGLDVQMETCRRLITQSGDRKSPAFTAVPLSDPPPPPPSEAEDSDRDVSSDS
 SMR

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001039670

ORF Size: 1689 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001039670.3](#)

RefSeq Size: 2733 bp

RefSeq ORF: 1692 bp

Locus ID: 25900

UniProt ID: [Q0D2I5](#)

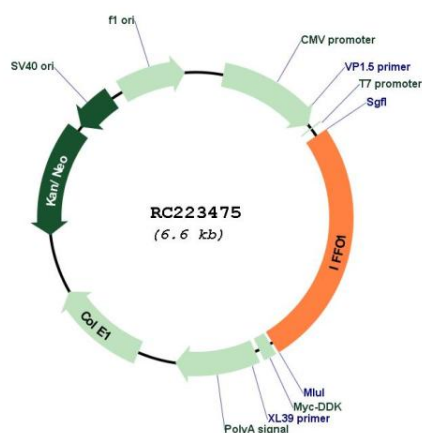
Cytogenetics: 12p13.31

Protein Families: Druggable Genome

MW: 62.5 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]

Product images:



Circular map for RC223475