

Product datasheet for **RG231318**

IFFO (IFFO1) (NM_001193457) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IFFO (IFFO1) (NM_001193457) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IFFO
Synonyms:	HOM-TES-103; IFFO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231318 representing NM_001193457
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATCCGTTATTCGGCCCCAACCTCTTCTCTGCAGCAGGAGCAGCAGGGCCTGGCCGGCCACTGG
 GGGACTCACTGGAGGCGACCACTTCGCCGGGGAGGAGACTTGCCCCGGCGCCTCTCGCCGGCCGG
 CCCTGCTGCCTACTCGCCGCCGGGGCGGGCCCGCCCGCTGCCGCCATGGCCCTCCGCAATGACCTG
 GGCTCCAACATCAACGTCTCAAGACCCTGAACCTCCGGTTCCGCTGCTTCTGGCCAAGGTGCATGAGC
 TGGAGCGCCGAACCGGCTGTTGGAGAAGCACTGCAGCAAGCGCTGGAGGAGGGTAAGCAGGGCCGGCG
 GGGCCTGGGTCGTCGCGACCAGGCAGTGCAGACCAGGCTTCGTGAGCCCCATCCGGCCCTGGGGCTGCAG
 CTGGGCGCCCGCCGGCCGCTGTCTGCAGCCCTTCGGCGCGCTGCTGGGCTCGCCCGCGCCTCCCGG
 CCGGCCCTCGCGCCCTCCGCGCCAGCCTCTCGTCGCTCCACCTCCACCTCCACCACCTATTCCTC
 GTCGGCCCGCTTCATGCCCGGCACCATCTGGTCTGTTCTCGCAGCCCGCCGGCTCGGGCCGGACTGGAG
 CCCACTCTGGTGAAGGGCCTGGCTTGTCTGGGTGCACCCGGATGGGGTGGGCGTCCAGATCGACACCA
 TCACGCCCGAGATCCGCGCTCTCTACAACGTGCTGGCCAAAGTGAAGCGGGAGCGGGACGAGTACAAGCG
 GAGGTGGGAAGAGGAGTACACGGTGCAGTCCAGCTGCAAGACCGTGAATGAGCTCCAGGAGGAAGCC
 CAGGAGGCTGATGCTGCCAGGAGGAGCTGGCACTGAAGTGAACAGTTGAAGGCTGAGCTGGTGGTCT
 TCAAGGGGCTCATGAGTAAACCTGTCGGAGCTGGACACCAAGATCCAGGAGAAAGCCATGAAGGTGGA
 TATGGACATCTGCCCGCCATCGACATCACCGCAAGCTCTGCGATGTGGCTCAGCAGCGCAACTGCGAG
 GACATGATCCAGATGTTCCAGAAGAAGCTGTCTGCACTTGTCTCCATTAAGGTCCCATCCATGGGGG
 GCGCGAAGCGGGAGCGCAAGGCTGCCGTGAGGAGGACACCTCCCTGTCGGAGAGTGAGGGCCCGCCCA
 GCCGATGGGGATGAGGAGGAGAGCACAGCCCTCAGCATCAACGAGGAGATGCAGCGCATGCTCAACCCAG
 CTGAGGGAGTATGATTTGAGGACGACTGTGACAGCCTGACTTGGGAGGAGACTGAGGAGACCCTGCTGC
 TTTGGGAGGATTTCTCAGGCTATGCCATGGCAGCTGCAGAGGCCAGGGAGAGCAGCAGGAAGATAGCCT
 GGAGAAGGTGATTAAGATACGGAGTCCCTGTTCAAACCCGGGAGAAGGAGTATCAGGAGACCATTGAC
 CAGATAGAGCTGGAGTTGGCCACGGCAAGAACGACATGAACCGGCACCTGCACGAGTACATGGAGATGT
 GCAGCATGAAGCGCGCCTGGACGTGCAGATGGAGACCTGCCCGCGCTCATACCCAGTCTGGAGACCG
 AAAGTCTCTGCTTCTACTGCGTCCCCTTAGCGACCCGCCCGCCGCAAGCGAGGCTGAGGACTCC
 GATCGCGATGTCTCATCTGACAGCTCCATGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG231318 representing NM_001193457
 Red=Cloning site Green=Tags(s)

MNPLFGPNLFLQQEQQLAGPLGDSLGGDHFAGGGDLPPAPLSPAGPAAYSPPGPGPAPPAAMALRNDL
 GSNINVLKTLNLRFRFLAKVHELERRNRLLEKQLQQALEEGKQRRRGLGRRDQAVQTFVSPIRPLGLQ
 LGARPAAVCSPSARVLGSPARSPAGPLAPSAASLSSSSTSTSTTYSSSARFMPGTIWSFSHARRLGPGL
 PTLVQGPGLSWVHPDGVGVQIDITITPEIRALYNVLAKVKRERDEYKRRWEEYTVRIQLQDRVNELQEEA
 QEADACQEELALKVEQLKAEVVFVKGLMSNNLSELDTKIQEKAMKVDMDICRRIDITAKLCDVAQQRNCE
 DMIQMFQKLSLHLSPKVPKSMGRKRERKAAVEEDTSLSESGPRQPDGDEEESTALSINEEMQRLNQL
 LREYDFEDDCDSLWEEETEETLLWEDFSGYAMAAEAQGEQEDSLEKVIKDTESLFTREKEYQETID
 QIELELATAKNDMNRHLHEMEMCSMKRGLDVQMETCRRLITQSGDRKSPAFTAVPLSDPPPPSEAE
 DRDVSSDSSMR

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001193457

ORF Size: 1713 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.

RefSeq: [NM_001193457.2](#)

RefSeq Size: 2757 bp

RefSeq ORF: 1716 bp

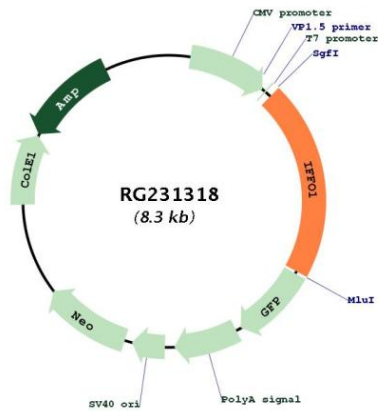
Locus ID: 25900

Cytogenetics: 12p13.31

Protein Families: Druggable Genome

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 RG231318