

Product datasheet for **RG223475**

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:	TurboGFP
Symbol:	IFFO1
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:

>RG223475 representing NM_001039670
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAATCCGTTATTCGGCCCCAACCTCTTCTCTGCAGCAGGAGCAGCAGGGCCTGGCCGGCCACTGG
 GGGACTCACTGGAGGCGACCACTTCGCCGGGGAGGAGACTTGCCCCGGCGCCTCTCGCCGGCCGG
 CCCTGCTGCCTACTCGCCGCCGGGGCGGGCCCGCCCGCTGCCGCCATGGCCCTCCGCAATGACCTG
 GGCTCCAACATCAACGTCTCAAGACCCTGAACCTCCGGTTCCGCTGCTTCTGGCCAAGGTGCATGAGC
 TGGAGCGCCGAACCGGCTGTTGGAGAAGCACTGCAGCAAGCGCTGGAGGAGGGTAAGCAGGGCCGGCG
 GGGCCTGGGTCTCGGACCAAGGAGTGCAGACCGGCTTCGTGAGCCCATCCGGCCCTGGGGCTGCAG
 CTGGGCGCCCGCCGGCCGCTGTCTGCAGCCCTTCGGCGCGCTGCTGGGCTCGCCCGCGCTCCCGG
 CCGGCCCTCGGCCCTCCGGGCCAGCTCTCGTCTCTCCACCTCCACCTCCACCACCTATTCCTC
 GTCGGCCCGCTTCATGCCCGGCACCATCTGGTCTGTTCTGCAGCCCGCCGGCTCGGGCCGGACTGGAG
 CCCACTCTGGTGAAGGGCCTGGCTTGTCTGGGTGCACCCGGATGGGGTGGGCTCCAGATCGACACCA
 TCACGCCCGAGATCCGCGCTCTCTACAACGTGCTGGCCAAAGTGAAGCGGGAGCGGGACGAGTACAAGCG
 GAGGTGGGAAGAGGAGTACACGGTCCGGATCCAGCTGCAAGACCGTGAATGAGCTCCAGGAGGAAGCC
 CAGGAGGCTGATGCTGCCAGGAGGAGCTGGCACTGAAGTGAACAGTTGAAGGCTGAGCTGGTGGTCT
 TCAAGGGGCTCATGAGTAAACCTGTCGGAGCTGGACACCAAGATCCAGGAGAAAGCCATGAAGGTGA
 TATGGACATCTGCCCGCCATCGACATCACCGCAAGCTCTGCGATGTGGCTCAGCAGCGCAACTGCGAG
 GACATGATCCAGATGTTCCAGAAGAAGCTGGTCCATCCATGGGGGGCGGAAGCGGGAGCGCAAGGCTG
 CCGTCGAGGAGGACACCTCCCTGTCGGAGAGTGAAGGGCCCGCCAGCCGATGGGGATGAGGAGGAGAG
 CACAGCCCTCAGCATCAACGAGGAGATGCAGCGCATGCTCAACCAGCTGAGGGAGTATGATTTTGAGGAC
 GACTGTGACAGCCTGACTTGGGAGGAGACTGAGGAGACCTGCTGCTTTGGGAGGATTTCTCAGGCTATG
 CCATGGCAGTGCAGAGGCCAGGGAGAGCAGCAGGAAGATAGCCTGGAGAAGGTGATTAAGATACGGA
 GTCCCTGTTCAAACCCGGGAGAAGGAGTATCAGGAGACCATTGACCAGATAGAGCTGGAGTTGGCCACG
 GCCAAGAACGACATGAACCGGCACCTGCACGAGTACATGGAGATGTGCAGCATGAAGCGCGGCTGGACG
 TGCAGATGGAGACCTGCCCGGCTCATCACCCAGTCTGGAGACCGAAAGTCTCTGCTTCTACTGCGGT
 CCCGCTTAGCGACCCGCCCGCCGCAAGCGAGGCTGAGGACTCCGATCGCGATGTCTCATCTGACAGC
 TCCATGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG223475 representing NM_001039670
 Red=Cloning site Green=Tags(s)

MNPLFGPNLFLQQEQQLAGPLGDSLGGDHFAGGDLPPAPLSPAGPAAYSPPGPAPPAAAMALRNDL
 GSNINVLKTLNLRFRFLAKVHELERRNRLLEKQLQQALEEGKQRRRGLGRRDQAVQTGFVSPIRPLGLQ
 LGARPAAVCSPSARVLGSPARSPAGPLAPSAASLSSSSTSTSTTYSSSARFMPGTIWSFSHARRLGPGL
 PTLVQGPGLSWVHPDGVGVQIDTITPEIRALYNVLAKVKRERDEYKRRWEEYTVRIQLQDRVNELQEEA
 QEADACQEELALKVEQLKAEVVFVKGLMSNNLSELDTKIQEKAMKVDMDICRRIDITAKLCDVAQQRNCE
 DMIQMFQKLVPSMGGRKRERKAAVEEDTSLSESEGPRQPDGDEEESTALSINEEMQRMLNQLREYDFED
 DCDSL TWEETETLLWEDFSGYAMAAEAQGEQEDSLEKVIKDTESLFKTREKEYQETIDQIELELAT
 AKNDMNRHLHEYMEMCSMKRGLDVQMETCRRLITQSGDRKSPAFTAVPLSDPPPPPPSEAEDSDRDVSSDS
 SMR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<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:	NM_001039670.3
RefSeq Size:	2733 bp
RefSeq ORF:	1692 bp
Locus ID:	25900
UniProt ID:	Q0D2I5
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]