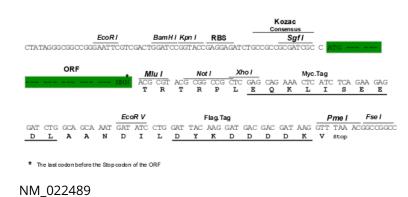


# Product datasheet for RC216716

### C14orf151 (INF2) (NM\_022489) Human Tagged ORF Clone

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C14orf151 (INF2) (NM_022489) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C14orf151
Synonyms:	C14orf151; C14orf173; CMTDIE; FSGS5; pp9484
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
<b>Restriction Sites:</b>	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Sgfi ORF Miul GCGATCGC C ATG// NIN ACG CGT



ACCN: ORF Size:

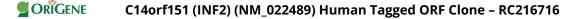
OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn



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3747 bp

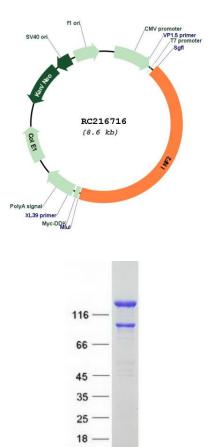
of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefo OriGene does not guarantee the capability to replicate this plasmid DNA. Additional am of DNA can be purchased from OriGene with batch-specific, full-sequence verification a reduced cost. Please contact our customer care team at custsupport@origene.com or b calling 301.340.3188 option 3 for pricing and delivery.The molecular sequence of this clone aligns with the gene accession number as a point reference only. However, individual transcript sequences of the same gene can differ th naturally occurring variations (e.g. polymorphisms), each with its own valid existence. Ti clone is substantially in agreement with the reference, but a complete review of all prev variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Express varies depending on the nature of the gene.Components:The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tu containing 10ug of transfection-ready. dried plasmid DNA (reconstitute with 100 ul of w Reconstitution MethotReconstitution Methot1. 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 at the botom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from dr shipping when stored at -20°C.Note:Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.422493, NP 071934.3Refseq Size:4725 bpRefseq Size:4725 bpRefseq ORF: 0.02218	<b>ORIGENE</b> C14orf151 (INF2) (NM_022489) Human Tagged ORF Clone – RC216716	
reference only. However, individual transcript sequences of the same gene can differ th naturally occurring variations (e.g. polymorphisms), each with its own valid existence. Th clone is substantially in agreement with the reference, but a complete review of all prev variants is recommended prior to use. More infoOTI Annotation:This clone was engineered to express the complete ORF with an expression tag. Express varies depending on the nature of the gene.Components:The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tu containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of w 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 at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from do 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 Size:MM 022489.3, NP 071934.3Refseq ORF:3750 bpLocus ID:042781UniProt ID:027[81]Cytogenetics:14q32.33Domains:WH2Protein Families:Druggable Genome	OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
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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 at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from dat 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:MM 022489.3, NP 071934.3RefSeq ORF:3750 bpLocus ID:027]81UniProt ID:027]81Otygenetics:14q32.33Domains:WH2Protein Families:Druggable Genome	OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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No.22um filter is required.RefSeq:NM 022489.3, NP 071934.3RefSeq Size:4725 bpRefSeq ORF:3750 bpLocus ID:64423UniProt ID:027J81Qtogenetics:14q32.33Domains:WH2Protein Families:Druggable Genome	Reconstitution Met	<ol> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of</li> </ol>
RefSeq Size:4725 bpRefSeq ORF:3750 bpLocus ID:64423UniProt ID:027/81Cytogenetics:14q32.33Domains:WH2Protein Families:Druggable Genome	Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq ORF:3750 bpLocus ID:64423UniProt ID:Q27J81Cytogenetics:14q32.33Domains:WH2Protein Families:Druggable Genome	RefSeq:	<u>NM 022489.3, NP 071934.3</u>
Locus ID:64423UniProt ID:Q27J81Cytogenetics:14q32.33Domains:WH2Protein Families:Druggable Genome	RefSeq Size:	4725 bp
UniProt ID:         Q27J81           Cytogenetics:         14q32.33           Domains:         WH2           Protein Families:         Druggable Genome	RefSeq ORF:	3750 bp
Cytogenetics:14q32.33Domains:WH2Protein Families:Druggable Genome	Locus ID:	64423
Domains:     WH2       Protein Families:     Druggable Genome	UniProt ID:	<u>Q27J81</u>
Protein Families: Druggable Genome	Cytogenetics:	14q32.33
	Domains:	WH2
	Protein Families:	Druggable Genome
<b>IVIVV.</b> 155.4 KDa	MW:	135.4 kDa

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Gene Summary:

This gene represents a member of the formin family of proteins. It is considered a diaphanous formin due to the presence of a diaphanous inhibitory domain located at the N-terminus of the encoded protein. Studies of a similar mouse protein indicate that the protein encoded by this locus may function in polymerization and depolymerization of actin filaments. Mutations at this locus have been associated with focal segmental glomerulosclerosis 5.[provided by RefSeq, Aug 2010]

## **Product images:**



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Circular map for RC216716

Coomassie blue staining of purified INF2 protein (Cat# [TP316716]). The protein was produced from HEK293T cells transfected with INF2 cDNA clone (Cat# RC216716) using MegaTran 2.0 (Cat# [TT210002]).

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