

OriGene Technologies, Inc.

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Product datasheet for RG218469

C14orf151 (INF2) (NM_032714) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C14orf151 (INF2) (NM_032714) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C14orf151
Synonyms:	C14orf151; C14orf173; CMTDIE; FSGS5; pp9484
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	<pre>>RG218469 representing NM_032714 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGCC</mark>
	ATGTCGGTGAAGGAGGGCGCACAGCGCAAGTGGGCAGCGCTGAAGGAGAAGCTGGGGCCACAGGATTCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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	C14orf151 (INF2) (NM_032714) Human Tagged ORF Clone – RG218469
Protein Sequence:	<pre>>RG218469 representing NM_032714 Red=Cloning site Green=Tags(s)</pre>
	MSVKEGAQRKWAALKEKLGPQDSDPTEANLESADPELCIRLLQMPSVVNYSGLRKRLEGSDGGWMVQFLE QSGLDLLLEALARLSGRGVARISDALLQLTCVSCVRAVMNSRQGIEYILSNQGYVRQLSQALDTSNVMVK KQVFELLAALCIYSPEGHVLTLDALDHYKTVCSQQYRFSIVMNELSGSDNVPYVVTLLSVINAVILGPED LRARTQLRNEFIGLQLLDVLARLR
	TRTRPLE - GFP Tag - V
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	Kozac Consensus Consensus Sgf1 Asc I CTATAGGCCGGCCGGGAATTCGTCCGGACCGGAATCGCCCGGGATCGCCCGGGACCGGCCCGGACCG Hind III Not I Kozac CAAGCTTAACTAGCGGAATCGCCGGAATCGCCGGGAGCCGGCGCCGCGCGCG

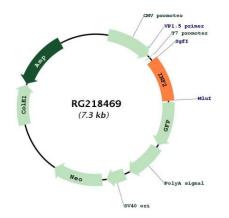
ACCN:	NM_032714
ORF Size:	702 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <u>More info</u>
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).

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Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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 032714.1, NP 116103.1</u>
RefSeq Size:	1704 bp
RefSeq ORF:	705 bp
Locus ID:	64423
UniProt ID:	<u>Q27J81</u>
Cytogenetics:	14q32.33
Protein Families:	Druggable Genome
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:



Circular map for RG218469

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