

Product datasheet for **SC318567**

C14orf151 (INF2) (NM_022489) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C14orf151 (INF2) (NM_022489) Human Untagged Clone
Tag: Tag Free
Symbol: INF2
Synonyms: C14orf151; C14orf173; CMTDIE; FSGS5; pp9484
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_022489, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGTGAAGGAGGGCGCACAGCGCAAGTGGGCAGCGCTGAAGGAGAAGCTGGGGCCA
CAGGATTCGGACCCACGGAGGCCAACCTGGAGAGCGCGGACCCGAGCTGTGCATCCGG
CTGCTCCAGATGCCCTCTGTGGTCAACTACTCCGGCCTGCGCAAGCGCCTGGAGGGCAGC
GACGGCGGCTGGATGGTGCAGTTCTGGAGCAGAGCGGCCTGGACCTGCTGCTGGAGGGC
CTGGCGCGGCTGTCGGGCCGCGGCTTGCACGTATCTCCGACGCCCTGCTGCAGCTCACC
TGCGTCAGCTGCGTGCAGCCGTCATGAACTCGCGGCAGGGCATCGAGTACATCCTCAGC
AACCAGGGCTACGTGCGCCAGCTCTCCCAGGCCCTGGACACATCCAACGTGATGGTGAAG
AAGCAGGTGTTTGGAGTACTGGCTGCCCTGTGCATCTACTCTCCCGAGGGCCACGTGCTG
ACCCTGGACGCCCTGGACCACTACAAGACGGTGTGCAGCCAGCAGTACCGCTTCAGCATT
GTCATGAACGAGCTCTCCGGCAGCGACAACGTGCCCTACGTGGTCAACCCTGCTTAGCGTG
ATCAACGCCGTCATCTTGGGCCCGAGGACCTGCGCGCGCGCACCCAGCTGCGGAACGAG
TTTATCGGGCTGCAGCTGCTGGACGTCCTGGCTCGCCTGCGAGACCTGGAGGATGCCGAC
CTGCTGATCCAGCTGGAGGCTTTCGAGGAGGCTAAGGCCGAGGACGAGGAGGAGCTGCTG
CGAGTCTCTGGCGGGTGCAGATGAGCAGCCACCAGGAGGTCTTTGCCTCCCTGTTCCAC
AAGGTGAGCTGCTCCCCGGTGTCTGCCAGCTCCTGTGCGTGTGCAGGGCCTCCTGCAC
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CGGGCCGTGCTCCTGGCCAGCGATGCCAGGAATGCACCCTGGAGGAAGTGGTTGAGCGG
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CAGGCCAACCTAGACCAGAGCCAGAGGGGAGCTCCCCGAAAACACTACAACCCCAAG
CCCAGCGTGGAGGGCCAGCAGCCAGCAGCTGCTGCCTGCGAGCCCGTGGACCACGCC
CAGAGTGAGAGCATCCTGAAAGTTTCGAGCCAGAGCCCTGGAGCAGCAGGCGTCCACC
CCACCCCAACCCCAACCCCAACCCCTGCTCCCTGGTTCAGTGCCGAGCCCTCCCCCT
CCCCCACCACCCCTGCCAGTGTGGGGCTAAGGCCCTCCCAACAGCACCCCGCCC
CCACCCCTGCCAGGCCTGGGGGCAATGGCCCCCAGCACCTCCTTACCACCACCCCTG
CCAGGCTCCTGTGAGTTCCTGCCCCACCACTCCACCACTCCCGGGCTTGGGATGCCCC
CCCCACCCCAACCCCTGCTGCCTGGTATGGGCTGGGGCCCTCCTCCACCCCACTCCA
CTACTGCCCTGCACCTGCAGCCCCCGTGGCGGGAGGCATGGAGGAGGTATCGTGGCC
CAGGTGGACCATGGCTTGGGCTCAGCATGGGTCCCCAGCCATCGGCGGGTGAACCCACC
ACACTGCGCATGAAGAAGCTGAACTGGCAGAAGCTGCCATCCAACGTGGCACGTGAGCAC

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AACTCTATGTGGGCGTCCCTGAGCAGCCCCGACGCCGAGGCTGTGGAGCCGACTTCTCC
AGCATCGAGCGACTATTCTCTTCCCTGCAGCCAAGCCAAGGAGCCACCATGGTGGCC
CCCCGGCCAGGAAGGAGCCCAAGGAGATCACTTTCCTCGATGCCAAGAAGACCTGAAC
CTCAACATCTTCTGAAGCAATTTAAGTGTCCAACGAGGAGGTGCTGCTATGATCCGG
GCTGGAGATACCACCAAGTTTGTGTGGAGGTTCTCAAACAACCTCTTAAGCTCCTTCCC
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GCCGACCACTTCTACCTCCTCTGCTGGCCATTCCCTGCTACCAGCTGCGAATCGAGTGC
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GACCTGGAACAGCCCTCGCAAGCAGCAGGGATCAACCTGGAGATCATCCGCTCAGAGGCC
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AGGAAGGGCTTCCAGTGCAGGAAAGACAGCCCGGGCCCGGGGACACCGACGGGGCAGC
AAGGCAGCCTCCATGGATCCCCAAGAGCCACAGAGCCTGTGGCCACCAGTAACCTGCA
GGAGATCCCGTGGGCAGCAGCGCTGTCCCGCTGAGCCCGGCTTGTGTGTGTGTGTGTGT
GCCAGCAGTCCCGGGCTGGGACCTTGTAGACCGGTGACCCCGGCCCTCAGCCACC
CTGGAGCAGTTGGAGGAGGTTGTCACGGCCCTGGAGAGGCGTCTTCTGTTATGTG
GATGCCAGCGATGTCCTAACCCTGAGGATCCCCAGTGCCCCAGCCCTGGAGGGGGCC
TGGCCGGTGACTCTGGGAGATGCTCAGGCCCTGAAGCCCTCAAGTTCTCCAGCAACCAG
CCCCCTGCAGCCGAAGTTCAAGGCAAGATGCCAAGGATCCCACGTCCTTGTGGCGTC
CTCCAGGCCGAGGCCGACAGCACAAGTGAGGGCTGGAGGACGCTGTCCACAGCCGTGGT
GCCAGACCCCTGCAGCAGGCCAGGTGGGGATGAGGACGAGGACGAGGAGGACAGGCC
CCAGAGTCCGACTGGACACATCCCTGGACAAGTCTTCTCCGAGGATGCGGTGACCGAC
TCCTCGGGGTCCGGCACACTCCCCAGGGCCCGGGCCGGCCCTCAAAGGGGACCGGGAAG
CGAAGGAAGAAGCGTCCCTCCAGGAGCCAGGAAGAGGTTCCCCCTGATTCTGATGATAAT
AAAACAAAGAACTGTGTGTGATCCAG
    
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Restriction Sites:

Please inquire

ACCN:

NM_022489

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 custsupport@origene.com or by 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 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](#)

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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_022489.3 , NP_071934.3 |
| RefSeq Size: | 4725 bp |
| RefSeq ORF: | 3750 bp |
| Locus ID: | 64423 |
| UniProt ID: | Q27J81 |
| Cytogenetics: | 14q32.33 |
| Domains: | WH2 |
| Protein Families: | Druggable Genome |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by orthologous data.</p> |