

## Product datasheet for **SC318564**

### C14orf151 (INF2) (NM\_001031714) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** C14orf151 (INF2) (NM\_001031714) 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\_001031714, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGTGAAGGAGGGCGCACAGCGCAAGTGGGCAGCGCTGAAGGAGAAGCTGGGGCCA
CAGGATTCGGACCCACGGAGGCCAACCTGGAGAGCGCGGACCCCGAGCTGTGCATCCGG
CTGCTCCAGATGCCCTCTGTGGTCAACTACTCCGGCCTGCGCAAGCGCCTGGAGGGCAGC
GACGGCGGCTGGATGGTGCAGTTCTGGAGCAGAGCGGCCTGGACCTGCTGCTGGAGGGC
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TGCGTCAGCTGCGTGCAGCCGTCATGAACTCGCGGCAGGGCATCGAGTACATCCTCAGC
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CAGGCCAACCTAGACCAGAGCCAGAGGGGAGCTCCCCGAAAACACTACAACCCCAAG
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CAGAGTGAGAGCATCCTGAAAGTTTCGAGCCAGAGCCCTGGAGCAGCAGGCGTCCACC
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CCACCCCTGCCAGGCCTGGGGGCGATGGCCCCCAGCACCTCCTTACCACCACCCCTG
CCAGGCTCCTGTGAGTTCCTGCCCCACCACTCCACCACTCCCGGGCTTGGGATGCCCC
CCCCACCCCAACCCCTGCTGCCTGGTATGGGCTGGGGCCCTCCTCCACCCCACTCCA
CTACTGCCCTGCACCTGCAGCCCCCGTGGCGGGAGGCATGGAGGAGGTGATCGTGGCC
CAGGTGGACCATGGCTTGGGCTCAGCATGGGTCCCCAGCCATCGGCGGGTGAACCCACC
ACACTGCGCATGAAGAAGCTGAACTGGCAGAAGTGCCATCCAACGTGGCACGTGAGCAC

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AACTCTATGTGGGCGTCCCTGAGCAGCCCCGACGCCGAGGCTGTGGAGCCGACTTCTCC  
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 CCCCAGGCGAGGAAGGAGCCCAAGGAGATCACTTTCCTCGATGCCAAGAAGACCTGAAC  
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 GATGCCAGCGATGCTTAACCACTGAGGATCCCCAGTGCCCCAGCCCTGGAGGGGGCC  
 TGGCCGGTACTCTGGGAGATGCTCAGGCCCTGAAGCCCTCAAGTTCTCCAGCAACCAG  
 CCCCCTGCAGCCGAAGTTCAAGCAAGATGCCAAGGATCCCACGTCCTTGTGGGCGTC  
 CTCCAGGCCGAGGCCGACAGCACAAGTGAGGGGCTGGAGGACGCTGTCCACAGCCGTGGT  
 GCCAGACCCCTGCAGCAGGCCAGGTGGGGATGAGGACGAGGACGAGGAGGACACGGCC  
 CCAGAGTCCGACTGGACACATCCCTGGACAAGTCTTCTCCGAGGATGCGGTGACCGAC  
 TCCTCGGGGTCGGGCACACTCCCCAGGGCCCGGGCCGGGCTCAAAGGGGACCGGGAAG  
 CGAAGGAAGAAGCGTCCCTCCAGGAGCCAGGAAGGCTCAGGCCACGGCCCAAGGCCAAG

- Restriction Sites:** Please inquire
- ACCN:** NM\_001031714
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:**

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\\_001031714.3](#), [NP\\_001026884.3](#)

**RefSeq Size:** 4668 bp

**RefSeq ORF:** 3723 bp

**Locus ID:** 64423

**UniProt ID:** [Q27J81](#)

**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]  
Transcript Variant: This variant (2) is missing the penultimate coding exon found in variant 1, resulting in a shorter isoform (2) with a different C-terminus compared to 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.