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Product datasheet for SC103880

INF2 (NM_032714) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INF2 (NM_032714) Human Untagged Clone
Tag:	Tag Free
Symbol:	INF2
Synonyms:	C14orf151; C14orf173; CMTDIE; FSGS5; pp9484
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032714, the custom clone sequence may differ by one or more nucleotides

ATGTCGGTGAAGGAGGGCGCACAGCGCAAGTGGGCAGCGCTGAAGGAGAAGCTGGGGCCACAGGATTCGG
ACCCCACGGAGGCCAACCTGGAGAGCGCGGACCCCGAGCTGTGCATCCGGCTGCTCCAGATGCCCTCTGT
GGTCAACTACTCCGGCCTGCGCAAGCGCCTGGAGGGCAGCGACGGCGGCTGGATGGTGCAGTTCCTGGAG
CAGAGCGGCCTGGACCTGCTGCTGGAGGCGCTGGCGCGGCTGTCGGGCCGCGGCGTTGCACGTATCTCCG
ACGCCCTGCTGCAGCTCACCTGCGTCAGCTGCGTGCGCGCCGTCATGAACTCGCGGCAGGGCATCGAGTA
CATCCTCAGCAACCAGGGCTACGTGCGCCAGCTCTCCCAGGCCCTGGACACATCCAACGTGATGGTGAAG
AAGCAGGTGTTTGAGCTACTGGCTGCCCTGTGCATCTACTCTCCCGAGGGCCACGTGCTGACCCTGGACG
CCCTGGACCACTACAAGACGGTGTGCAGCCAGCAGTACCGCTTCAGCATTGTCATGAACGAGCTCTCCGG
CAGCGACAACGTGCCCTACGTGGTCACCCTGCTTAGCGTGATCAACGCCGTCATCTTGGGCCCCGAGGAC
CTGCGCGCGCGCACCCAGCTGCGGAACGAGTTTATCGGGCTGCAGCTGCTGGACGTCCTGGCTCGCCTGC
GGTGA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032714 unedited
GCGTTGGTATTGTNAACCATCACTATAGGCGGCCGCGAATTCGCACGAGGCCTTGCGGAG
CGCGGCAGTGGGCGCCGGCTGCCCGCAGCCCCTGACCCGGCCCCGGACGGAGCGCCGGCC
GCACCACCGCCCTCTGGCCGTTGCCTCACCGGTATGAAACGACCATATTCATCCGAGATG
CAGCTTCAGTTAGTGATTGGGCAGGTGTCCCGGTGGTATCGCACCCACCATGTGATTGAA
ATCCGTCACCATGCGGCCTGCTTCCCATCTTTGTCTTCTGATCATGATGCTGCTGAGAGC
GCCTTTCTGCCCACCTGCTCCCAGGGGGCCCTTCTGTCCTGCTGTGGGTCCTCACAGTGG
CCCGGGGGCCCTCTTTGCACAACAAGCGGAGTTCAAGATCTTGGAGGGCTTTGGAGGCAG
GAGCCTTGCACTCCATCCAGATCTTGGGGACTGCAGGTGGCATGAGGGCTGGAGTGCTTC
TTGGGTGTGAGACGGGCCAGGTGACAGTGAGGACACAGCCAGCCCTCACCAAGGCCCAGT
GCGCCCCATGCCCCTGGACACGTGGCAGTGGGTGGACCCCCATCCTCACCTGCCTTGAGG
CCCCCTGTGCACAGACCCTCCCTGGGCCTTGCCGGCAGTTGGTGAGCCACCAGGTCAGTA
GAGGTCCCTCAAGGGGCTGTTGGCCTGTTGGGGAAGGTGACACATGCTGNGAGCTCANAG
GAGCTGGGAGTCTGANTGTGAGGGAAGGGGAATGGGGGTCATGGTAGGGGCAGGTTTCAA
CTCCAGGTGCCCTTCACCCGCCCTGCAGGGCCTTGGGCTGCCCAAGAACCCGGGGGTGCT
GCCAGGGAACGCGTGCAGTCCTGGGAGATCCCTGGGNTGGCCAAGCAATGGAAAATTTGG
GGGCTCCCGGAGCACCTAAAATACAGTGTGG
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Restriction Sites: NotI-NotI

ACCN: NM_032714

Insert Size: 1080 bp

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).

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_032714.1, NP_116103.1

RefSeq Size: 1704 bp

RefSeq ORF: 705 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 (3) represents use of an alternate 3' terminal exon resulting in a shorter predicted protein (isoform 3) with a distinct C-terminus compared to isoform 1.