

Product datasheet for **SC333379**

C19orf12 (NM_001282931) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: C19orf12 (NM_001282931) Human Untagged Clone
Tag: Tag Free
Symbol: C19orf12
Synonyms: MPAN; NBIA3; NBIA4; SPG43
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC333379 representing NM_001282931.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

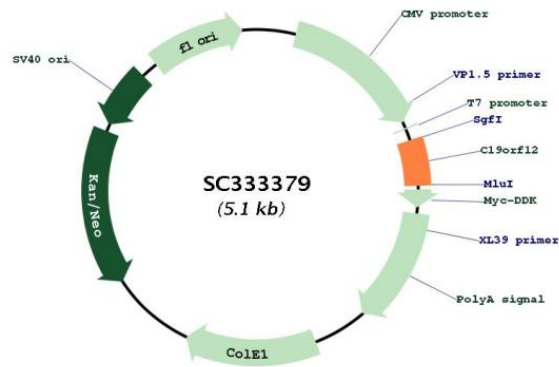
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGACAAGTGGACAGTTTAAAGCCGGTTCCTCAGATCCTAATGGAGCTGCCCTGCCGAGCAACAGAGG
CTCTTTAACGAAGCCGCAGCCATCATCAGGCACCTGGAGTGGACGGACGCCGTGCAGCTGACCGCGCTG
GTCATGGGCAGCGAGGCCCTGCAGCAGCAGCTGCTGGCCATGCTGGTGAACACGTCACCAAGGAGCTG
CGGGCCGAGATCCAGTATGATGACTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001282931

Insert Size: 234 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_001282931.1](#)

RefSeq Size: 4804 bp

RefSeq ORF: 234 bp

Locus ID: 83636

UniProt ID: [Q9NSK7](#)

Cytogenetics: 19q12

Protein Families: Transmembrane

MW: 8.8 kDa

Gene Summary: This gene encodes a small transmembrane protein. Mutations in this gene are a cause of neurodegeneration with brain iron accumulation-4 (NBIA4), but the specific function of the encoded protein is unknown. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]
Transcript Variant: This variant (7) uses an alternate 5' structure and thus differs in the 5' UTR and 5' coding region compared to variant 1. These differences cause translation initiation at a downstream AUG and result in an isoform (4) with a shorter N-terminus, compared to isoform. Variants 5, 6, and 7 encode the same isoform (4). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.