

## Product datasheet for **SC311182**

### GDAP1 (NM\_001040875) Human Untagged Clone

#### Product data:

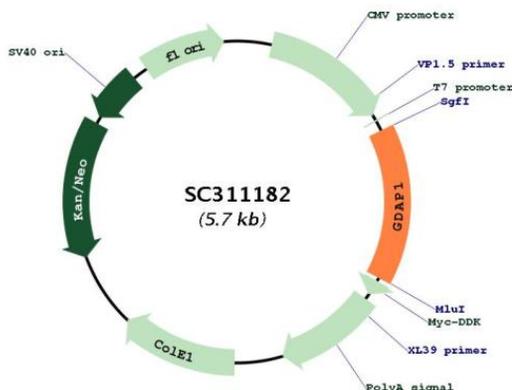
Product Type:	Expression Plasmids
Product Name:	GDAP1 (NM_001040875) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDAP1
Synonyms:	CMT4; CMT4A; CMTRIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC311182 representing NM_001040875. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGTTTGAACCAACTGGAGAAGTGCCTGTCTTATCCACGGGGAAAACATAATTTGTGAGGCCACT
CAGATCATTGATTATCTTGAACAGACTTTCCTGGATGAAAGAACACCCAGGTTAATGCCTGATAAAGAA
AGCATGTATTACCCACGGGTACAACATTACCGAGAGCTGCTTGACTCCTTGCCAATGGATGCCTATACA
CATGGCTGCATTTTACATCCTGAGTTAACTGTGGACTCCATGATCCCGGCTTATGCAACTACAAGGATT
CGTAGCCAAATTGAAACACAGAGTCTGAGCTGAAGAACTTGCTGAAGAAAACCCAGATTTACAAGAA
GCATACATTGCAAAACAGAAACGACTTAAATCAAAGCTGCTTGATCATGACAATGTCAAGTATTTGAAG
AAAATTCTTGATGAGTTGGAGAAAGTCTTGATCAGGTTGAAACTGAATTGCAAAGAAGAAATGAAGAA
ACCCAGAAAGAGGGCCAGCAACCTTGGCTCTGCGGTGAATCCTTACCCTGGCAGACGTCTCACTCGCT
GTCACATTGCATCGACTGAAGTTCCTGGGGTTTGAAGGAGAAACTGGGGAAACGGAAAGCGACCAAC
TTGAAACCTATTACGAGCGTGTCTTGAAGAGAAAAACATTTAACAAGTTTTAGGACATGTCAACAAT
ATATTAATCTCTGCAGTGTGCCAACAGCATTCCGGGTGGCCAAGAAAAGGGCCCCAAAAGTTCTTGGC
ACGACCCTGTGGTTGGTTTGTTCAGGAGTGGGATATTTGCTTTTATGCTTTTCAGAAAAGAGGCTT
GGCAGCATGATATTAGCATTTAGACCCAGACCAAAATTATTTCTAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

**Plasmid Map:**


**ACCN:** NM\_001040875

**Insert Size:** 873 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).

**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\\_001040875.2](#)

**RefSeq Size:** 3769 bp

**RefSeq ORF:** 873 bp

<b>Locus ID:</b>	54332
<b>UniProt ID:</b>	<a href="#">Q8TB36</a>
<b>Cytogenetics:</b>	8q21.11
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	33.5 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the ganglioside-induced differentiation-associated protein family, which may play a role in a signal transduction pathway during neuronal development. Mutations in this gene have been associated with various forms of Charcot-Marie-Tooth Disease and neuropathy. Two transcript variants encoding different isoforms and a noncoding variant have been identified for this gene. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (2) contains an alternate in-frame exon and uses an alternate splice site in the 5' coding region, and uses a downstream start codon, compared to variant 1. Isoform b has a shorter N-terminus, compared to isoform a.</p>