

## Product datasheet for RC203939

### GDAP1 (NM\_001040875) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GDAP1 (NM_001040875) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GDAP1
Synonyms:	CMT4; CMT4A; CMTRIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203939 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**

ATGCGTTTGAACCAACTGGAGAAGTGCCTGTCCTTATCCACGGGGAAAACATAATTTGTGAGGCCACTCAGATCATTGATTATCTTGAACAGACTTTCCTGGATGAAAGAACACCCAGGTTAATGCCTGATAAAGAAAGCATGTATTACCCACGGGTACAACATTACCGAGAGCTGCTTGACTCCTTGCCAATGGATGCCTATACACATGGCTGCATTTTACATCCTGAGTTAACTGTGGACTCCATGATCCCGGCTTATGCAACTACAAGGATTCGTA GCCAAATTGAAACACAGAGTCTGAGCTGAAGAACTTGCTGAAGAAAACCCAGATTTACAAGAAGCATA CATTGCAAACAGAAACGACTTAAATCAAAGCTGCTTGATCATGACAATGTCAAGTATTTGAAGAAAATTCTTGATGAGTTGGAGAAAGTCTTGGATCAGGTTGAAACTGAATTGCAAAGAAGAAATGAAGAAAACCCAG AAGAGGGCCAGCAACCTTGGCTCTGCGGTGAATCCTTCACCCTGGCAGACGTCTCACTCGCTGTCACATTGCATCGACTGAAGTTCCTGGGTTTGAAGGAGAAACTGGGAAACGGAAAGCGACCAAACCTTGGAAACC TATTACGAGCGTGTCTTGAAGAGAAAAACATTTAAACAAGTTTTAGGACATGTCAACAATATATTAATCTCTGCAGTGTGCCAACAGCATTCCGGGTGGCCAAGAAAAGGGCCCCAAAAGTTCTTGGCAGCACCCTTGTGGTTGGTTTGCTTGCAGGAGTGGGATATTTTGCCTTTATGCTTTTCAGAAAAGAGGCTTGGCAGCATGATA TTAGCATTTAGACCCAGACCAAATTTATTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >RC203939 protein sequence  
Red=Cloning site Green=Tags(s)

MRLNSTGEVPLIHGENIICEATQIIDYLEQTFDERTPRLMPDKESMYYPVQHYRELLDSLPMDAYTH  
 GCILHPELTVDSMIPAYATTRIRSQIGNTESELKKLAEENPDLQEAYIAKQKRLKSKLLDHDNVKYLKKI  
 LDELEKVLVDQVETELQRRNEETPEEGQQPWLCGESFTLADVSLAVTLHRLKFLGFARRNWGNGKRPNLET  
 YYERVLKRKTFNKVLGHVNNILISAVLPTAFRVAKKRAPKVLGTTLVVGLLAGVGYFAFMLFRKRLGSMI  
 LAFRPRPNYF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6324\\_g07.zip](https://cdn.origene.com/chromatograms/mk6324_g07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001040875

**ORF Size:** 870 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001040875.3](#)

**RefSeq Size:** 3769 bp

**RefSeq ORF:** 873 bp

**Locus ID:** 54332

**UniProt ID:** [Q8TB36](#)

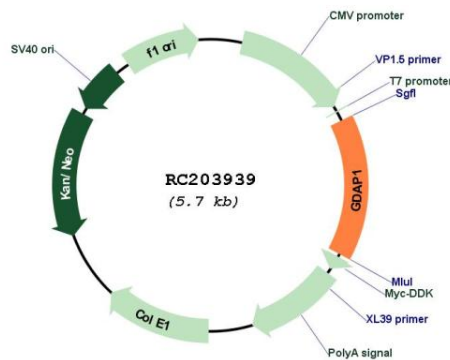
**Cytogenetics:** 8q21.11

**Protein Families:** Druggable Genome, Transmembrane

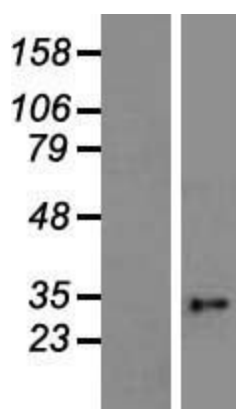
**MW:** 33.5 kDa

**Gene Summary:** 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]

### Product images:



Circular map for RC203939



Western blot validation of overexpression lysate (Cat# [LY420839]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203939 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).