

Product datasheet for **RG203939**

GDAP1 (NM_001040875) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDAP1 (NM_001040875) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GDAP1
Synonyms:	CMT4; CMT4A; CMTRIA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203939 representing NM_001040875 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGTTTGAACCAACTGGAGAAGTGCCTGTCCTTATCCACGGGGAAAACATAATTTGTGAGGCCACTC
AGATCATTGATTATCTTGAACAGACTTTCCTGGATGAAAGAACACCCAGGTTAATGCCTGATAAAGAAAG
CATGTATTACCCACGGGTACAACATTACCGAGAGCTGCTTGACTCCTTGCCAATGGATGCCTATACACAT
GGCTGCATTTTACATCCTGAGTTAACTGTGGACTCCATGATCCCGGCTTATGCAACTACAAGGATTCGTA
GCCAAATTGAAACACAGAGTCTGAGCTGAAGAACTTGCTGAAGAAAACCCAGATTTACAAGAAGCATA
CATTGCAAAACAGAAACGACTTAAATCAAAGCTGCTTGATCATGACAATGTCAAGTATTTGAAGAAAT
CTTGATGAGTTGGAGAAAGTCTTGGATCAGGTTGAAACTGAATTGCAAAGAAGAAATGAAGAAACCCAG
AAGAGGGCCAGCAACCTTGGCTCTGCGGTGAATCCTTCACCCTGGCAGACGTCTCACTCGCTGTCACATT
GCATCGACTGAAGTTCCTGGGTTTGAAGGAGAAACTGGGAAACGGAAAGCGACCAAACCTTGGAAACC
TATTACGAGCGTGTCTTGAAGAGAAAAACATTTAAACAAGTTTTAGGACATGTCAACAATATATTAATCT
CTGCAGTGTGCCAACAGCATTCCGGGTGGCCAAGAAAAGGGCCCCAAAAGTTCTTGGCAGCACCCCTGT
GGTTGGTTTGTTCAGGAGTGGGATATTTTGTCTTTATGCTTTTCAGAAAAGAGGCTTGGCAGCATGATA
TTAGCATTTAGACCCAGACCAAAATTATTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG203939 representing NM_001040875
 Red=Cloning site Green=Tags(s)

MRLNSTGEVPLIHGENIICEATQIIDYLEQTFDERTPRLMPDKESMYYPVQHYRELLDSLPMDAYTH
 GCILHPELTVDSMIPAYATTRIRSQIGNTESELKKLAENPDLQEAYIAKQKRLKSKLLDHDNVKYLKKI
 LDELEKVLQVETELQRRNEETPEEGQPWLCGESFTLADVSLAVTLHRLKFLGFARRNWGNGKRPNLET
 YYERVLKRKTFNKVLGHVNNILISAVLPTAFRVAKKRAPKVLGTTLVVGLLAGVGYFAMLFRKRLGSMI
 LAFRPRPNYF

TRTRPLE - GFP Tag - V

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: 3734 bp

RefSeq ORF: 873 bp

Locus ID: 54332

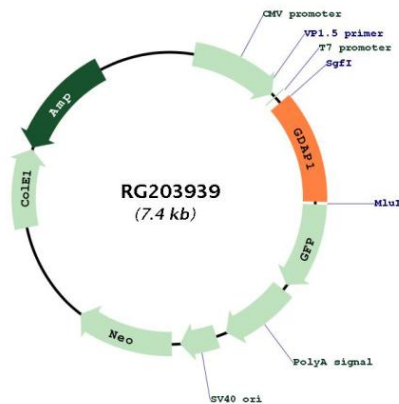
UniProt ID: [Q8TB36](#)

Cytogenetics: 8q21.11

Protein Families: Druggable Genome, Transmembrane

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 RG203939