

Product datasheet for **SC317569**

GDAP1 (NM_018972) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GDAP1 (NM_018972) Human Untagged Clone
Tag:	Tag Free
Symbol:	GDAP1
Synonyms:	CMT4; CMT4A; CMTRIA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_018972 edited ATGGCTGAGAGGCAGGAAGAGCAGAGAGGGAGCCGCCCTTGAGGGCGGAAGGCAAGGCC GACGCGGAGGTTAAGCTCATTCTGTACCATTTGGACGCATTCCCTTCAGCTCTCAAAGGTG CGCTTGGTAATTGCTGAAAAGGCATTGAAGTGCGAGGAACATGATGTAAGTCTGCCCTTG AGTGAGCACAATGAGCCTTGTTTTATGCGTTTTGAACTCAACTGGAGAAGTGCCTGTCCTT ATCCACGGGGAAAACATAATTTGTGAGGCCACTCAGATCATTGATTATCTTGAACAGACT TTCCTGGATGAAAGAACACCCAGGTTAATGCCTGATAAAGAAAGCATGTATTACCCACGG GTACAACATTACCGAGAGCTGCTTGACTCCTTGCCAATGGATGCCTATACACATGGCTGC ATTTTACATCCTGAGTTAACTGTGGACTCCATGATCCCGGCTTATGCAACTACAAGGATT CGTAGCCAAATTGAAACACAGAGTCTGAGCTGAAGAACTTGCTGAAGAAAACCCAGAT TTACAAGAAGCATACATTGCAAAACAGAAACGACTTAAATCAAAGCTGCTTGATCATGAC AATGTCAAGTATTTGAAGAAAATCTTGATGAGTTGGAGAAAGTCTTGGATCAGGTTGAA ACTGAATTGCAAAGAAGAAATGAAGAAACCCAGAAAGAGGGCCAGCAACCTTGGCTCTGC GGTGAATCCTTACCCTGGCAGACGTCTCACTCGCTGTCACATTGCATCGACTGAAGTTC CTGGGGTTTGCAAGGAGAAAACCTGGGAAACGGAAAGCGACCAAACCTTGGAAACCTATTAC GAGCGTGTCTTGAAGAGAAAAACATTTAACAAGTTTTAGGACATGTCAACAATATATTA ATCTCTGCAGTGTGCCAACAGCATTCCGGGTGGCCAAGAAAAGGGCCCCAAAAGTTCTT GGCAGCACCTTGTGGTTGGTTTTGCTTGCAGGAGTGGGATATTTTGTCTTTATGCTTTTC AGAAAGAGGCTTGGCAGCATGATATTAGCATTTAGACCCAGACCAAATTTCTAG



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_018972 unedited NGGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGCCTCGTGC CGAATTCGGCAGGAAAGTCCAGGGCGGACAGGCTGGGCGCACCCGTGCTCGCGCACCC CAAGATGGCTGAGAGGTAGGAAGAGCAGAGAGGGAGCCCGCCCTTGAGGGCGGAAGGCAA GGCCGACGCGGAGGTTAAGCTCATTCTGTACCATTGGACGCATTCCTTCAGCTCTCAAAA GGTGCGCTTGGTAATTGCTGAAAAGGCATTGAAGTGCAGGAACATGATGTAAGTCTGCC CTTGAGTGAGCAATGAGCCTTGGTTTATGCGTTTGAAGTCAACTGAGGAAGTGCCTGT CCTTATCCACGGGAAAACATAATTTGTGAGGCCACTCAGATCATTGATTATCTTGAACA GACTTTCCTGGATGAAAGAACACCCAGGTTAATGCCTGATAAAGAAAGCATGTATTACCC ACGGGTACAACATTACCGAGAGCTGCTTGACTCCTTGCCAATGGATGCCTATACACATGG CTGCATTTTACATCCTGAGTAACTGTGGACTCCATGATCCCGGCTTATGCAACTACAAG GATTCGTAGCCAAATGGAAACACAGAGTCTGAGCTGAAGAACTTGCTGAAGAAAACCC AGATTTACAAGAAGCATACATTGCAAAACAGAAACGACTTAAATCAAAGCTGCTTGATCA TGACAATGTCAAGTATTTGAAGAAAATTCTTGATGAGTTGGAGAAAGTCTGGNATCANGT TGAAGTGAATTGCAAAGAAAGAATGAAGAAACCCAGAAAGAGGCCAGCACCTTGGCT CTGCGGTGAATCCTTACCTGNCAGACGTCTCACTCGCTGCACATTGCATCGACTGAA GTNCT
Restriction Sites:	Please inquire
ACCN:	NM_018972
Insert Size:	3700 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:	<ol style="list-style-type: none"> 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:	<u>NM_018972.2</u> , <u>NP_061845.2</u>
RefSeq Size:	3899 bp
RefSeq ORF:	1077 bp
Locus ID:	54332
UniProt ID:	<u>Q8TB36</u>
Cytogenetics:	8q21.11

Domains:	GST_N
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<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 (1) represents the longest variant and encodes the longer isoform (a). 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.</p>