

## Product datasheet for **SC320647**

### GDAP1L1 (NM\_024034) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GDAP1L1 (NM\_024034) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GDAP1L1  
**Synonyms:** dj881L22.1; dj995J12.1.1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_024034.3  
GAGAGCCGCCGCGCCGGAGCCTCCTTCTTCTGCCTCTGATTCCGGGCTGTCATGGCGA  
CCCCAACAACTTGACCCCACTGACAGCTGGTGGCCATCTCCGCGCTGGAGAGCG  
ATGCGGCCAAGCCAGCGAGGCCCCCGACGCTCCCGAGGCGGCCAGCCCGCCATTGGC  
CCAGGGAGAGCCTGGTTCTGTACCACTGGACCCAGTCCTTCAGCTCGCAGAAGGTGCGGC  
TGGTGATCGCCGAGAAGGGCCTGGTGTGCGAGGAGCGGGACGTGAGCCTGCCACAGAGCG  
AGCACAAGGAGCCCTGGTTCATGCGGCTCAACCTGGGCGAGGAGGTGCCCGTCATCATCC  
ACCGCGACAACATCATCAGTGACTATGACCAGATCATTGACTATGTGGAGCGCACCTTCA  
CAGGAGAGCACGTGGTGGCCCTGATGCCCCGAGGTGGGAGCCTGCAGCACGCACGGGTGC  
TGCAGTACCGGGAGCTGCTGGACGCACTGCCATGGATGCCTACACGCATGGCTGCATCC  
TGCATCCCGAGCTCACCACCGACTCCATGATCCCCAAGTACGCCACGGCCGAGATCCGCA  
GACATTTAGCCAATGCCACCACGGACCTCATGAACTGGACCATGAAGAGGAGCCCGAGC  
TCTCCGAGCCCTACCTTTCTAAACAAAAGAAGCTCATGGCCAAGATCTTGAGCATGATG  
ATGTGAGCTACCTGAAGAAGATCCTCGGGAACTGGCCATGGTGTCTGGACCAGATTGAGG  
CGGAGCTGGAGAAGGAAGCTGGAGAACGAGGGGCGAGAAATGCGAGCTGTGGCTCTGTG  
GCTGTGCCTTACCCTCGCTGATGTCCTCCTGGGAGCCACCCTGCACCGCCTCAAGTTCC  
TGGGACTGTCCAAGAAATACTGGGAAGATGGCAGCCGGCCCAACCTGCAGTCCTTCTTTG  
AGAGGGTCCAGAGACGCTTTGCCTTCCGAAAGTCTGGGTGACATCCACACCACCCTGC  
TGTCGGCCGTCATCCCCAATGCTTCCGGCTGGTCAAGAGGAAACCCCATCCTTCTTCG  
GGCGCTCCTTCTCATGGGCTCCCTGGGTGGGATGGGCTACTTTGCCTACTGTTACTCA  
AGAAAAAATACATCTAGGCCCAGCCTGGGGCTTGGTGTCTGAAAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_024034



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024034.3</a> , <a href="#">NP_076939.3</a>
<b>RefSeq Size:</b>	2244 bp
<b>RefSeq ORF:</b>	1104 bp
<b>Locus ID:</b>	78997
<b>UniProt ID:</b>	<a href="#">Q96MZ0</a>
<b>Cytogenetics:</b>	20q13.12
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>The ganglioside GD3 synthase causes cell differentiation with neurite sprouting when transfected into the mouse neuroblastoma cell line Neuro2a. After differentiation, the expression of several genes is upregulated, including one that encodes a protein termed ganglioside-induced differentiation-associated protein 1 (Gdap1). A similar gene was found in humans, and mutations in the human gene are associated with Charcot-Marie-Tooth type 4A disease. The protein encoded by this gene is similar in sequence to the human GDAP1 protein. Several transcript variants encoding different isoforms, as well as a noncoding transcript variant, have been found for this gene. [provided by RefSeq, Feb 2012]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.</p>