

Product datasheet for **SC330511**

GDAP1L1 (NM_001256739) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GDAP1L1 (NM_001256739) Human Untagged Clone
Tag: Tag Free
Symbol: GDAP1L1
Synonyms: dj881L22.1; dj995J12.1.1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330511 representing NM_001256739.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

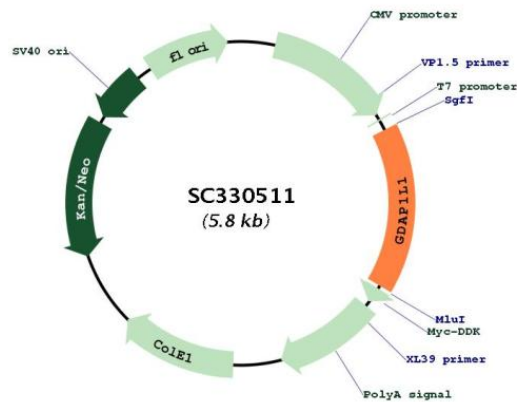
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ATGGCGACCCCAACAATCTGACCCCACTGCAGCTGGTGGCCATCTCCGCGCTGGAGAGCGAT
GCGGCCAAGCCAGCGGAGGCCCGGACGCTCCCGAGGCGGCCAGCCCGCCATTGGCCAGGGAGAGC
CTGTTCTGTACCACTGGACCCAGTCCTTCAGCTCGCAGAAGGTGCGGCTGGTATCGCCGAGAAGGGC
CTGGTGTGCGAGGAGCGGACGTGAGCCTGCCACAGAGCGAGCACAAGGAGCCCTGGTTCATGCGGCTC
AACCTGGGCGAGGAGGTGCCCGTCATCATCCACCGGACAACATCATCAGTGACTATGACCAGATCATT
GACTATGTGGAGCGCACCTTCACAGGAGGACATTTAGCCAATGCCACCACGGACCTCATGAAACTGGAC
CATGAAGAGGAGCCCAGCTCTCCGAGCCCTACCTTTCTAAACAAAAGAAGCTCATGGCCAAGATCTTG
GAGCATGATGATGTGAGCTACCTGAAGAAGATCCTCGGGGAAGTGGCCATGGTGTCTGGACCAGATTGAG
GCGGAGCTGGAGAAGAGGAAGCTGGAGAACGAGGGGCAGAAATGCGAGCTGTGGCTCTGTGGCTGTGCC
TTCACCCTCGCTGATGTCCTCCTGGGAGCCACCCTGCACCGCCTCAAGTTCTGGGACTGTCCAAGAAA
TACTGGGAAGATGGCAGCCGCCCCAACCTGCAGTCCTTCTTTGAGAGGGTCCAGAGACGCTTTGCCTTC
CGGAAAGTCTGGGTGACATCCACACCACCCTGCTGTGCGCCGTCATCCCAATGCTTTCCGGCTGGTC
AAGAGGAAACCCCATCCTTCTTCGGGGCGTCTTCTCATGGGCTCCCTGGGTGGGATGGGCTACTTT
GCCTACTGGTACCTCAAGAAAAAATACATCTAG
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001256739

Insert Size: 930 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).

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_001256739.1](#)

RefSeq Size: 2624 bp

RefSeq ORF: 930 bp

Locus ID: 78997

UniProt ID: [Q96MZ0](#)

Cytogenetics: 20q13.12

Protein Families: Transmembrane

MW: 35.3 kDa

Gene Summary: 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]
Transcript Variant: This variant (4) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (4) has the same N- and C-termini but is shorter compared to isoform 1.