

Product datasheet for **RC200976L4V**

GDAP1L1 (NM_024034) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	GDAP1L1 (NM_024034) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GDAP1L1
Synonyms:	dj881L22.1; dj995J12.1.1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024034
ORF Size:	1101 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200976).
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.
RefSeq:	NM_024034.3
RefSeq Size:	2798 bp
RefSeq ORF:	1104 bp
Locus ID:	78997
UniProt ID:	Q96MZO
Cytogenetics:	20q13.12
Protein Families:	Transmembrane
MW:	42 kDa



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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]