

Recombinant Human GDAP1L1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. GDAP1L1-2218H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GDAP1L1 MS Standard C13 and N15-labeled recombinant protein (NP_076939) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	42 kDa
AA Sequence	MATPNNLTPTNCSWWPISALESDAAKPAEAPDAPEAASPAHWPRESLVLYHWTQS FSSQKVRLVIAEKGLVCEERDVSLPQSEHKPEWFMRLNLGEEVPVIIHRDNIISDYDQ IIDYVERTFTGEHVVALMPEVGSLQHARVLQYRELLDALPMDAYTHGCILHPELTTDS MIPKYATAEIRRHLANATTDLMKLDHEEEPQLSEPYLSKQKKLMAKILEHDDVSYLKKI LGELAMVLDQIEAELEKRLKENEGQKCELWLCGCAFTLADVLLGATLHRLKFLGLSK

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KYWEDGSRPNLQSFFERVQRRFAFRKVLGDIHTTLLSAVIPNAFRLVKRKPPSFFGA
SFLMGSLGGMGYFAYWYLKKKYITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name GDAP1L1 ganglioside induced differentiation associated protein 1-like 1 [Homo sapiens (human)]

Official Symbol GDAP1L1

Synonyms ganglioside induced differentiation associated protein 1-like 1; 4213; Ensembl:ENSG00000124194; DKFZp761K228; ganglioside-induced differentiation-associated protein 1-like 1;GDAP1-L1; dJ881L22.1; dJ995J12.1.1

Gene ID 78997

mRNA Refseq NM_024034

Protein Refseq NP_076939

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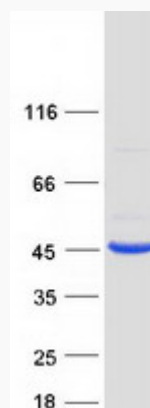
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UniProt ID

B7Z621

SDS-PAGE

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