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 FSSQKVRLVIAEKGLVCEERDVSLPQSEHKEPWFMRLNLGEEVPVIIHRDNIISDYDQ IIDYVERTFTGEHVVALMPEVGSLQHARVLQYRELLDALPMDAYTHGCILHPELTTDS MIPKYATAEIRRHLANATTDLMKLDHEEEPQLSEPYLSKQKKLMAKILEHDDVSYLKKI LGELAMVLDQIEAELEKRKLENEGQKCELWLCGCAFTLADVLLGATLHRLKFLGLSK

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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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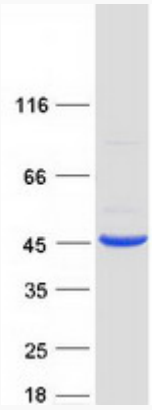
UniProt ID	B7Z621
SDS-PAGE	

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