

## Recombinant Human GDAP1L1 Protein, GST-tagged

**Cat. No.** GDAP1L1-4814H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GDAP1L1 full-length ORF ( NP_076939.3, 1 a.a. - 367 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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. [provided by RefSeq] |
| <b>Molecular Mass</b>   | 68.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MATPNNLTPTNCSWWPISALESDAAKPAEAPDAPEAASPAHWPRESLVLYHWTQS<br>FSSQKVRLVIAEKGLVCEERDVSLPQSEHKPEWFMRLNLGEEVPVIIHRDNIISDYDQ<br>IIDYVERTFTGEHVVALMPEVGSLQHARVLQYRELLDALPMDAYTHGCILHPELTTDS<br>MIPKYATAEIRRHLANATTDLMKLDHEEEPQLSEPYLSKQKKLMAKILEHDDVSYLKKI<br>LGELAMVLDQIEAELEKRLKENEGQKCELWLCGCAFTLADVLLGATLHRLKFLGLSK<br>KYWEDGSRPNLQSFFERVQRRFAFRKVLGDIHTTLLSAVIPNAFRLVKRKPPSFFGA<br>SFLMGSLGGMGYFAYWYLKKKYI                                                                                                                                                                     |

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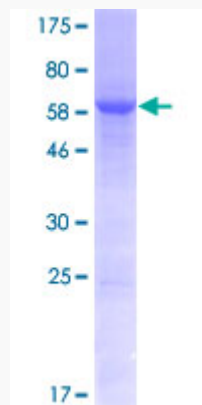
|                         |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                           |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                         |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                         |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                  |
| <b>Gene Name</b>        | GDAP1L1 ganglioside induced differentiation associated protein 1-like 1 [ Homo sapiens ]                                                                                                                         |
| <b>Official Symbol</b>  | GDAP1L1                                                                                                                                                                                                          |
| <b>Synonyms</b>         | 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 |
| <b>Gene ID</b>          | 78997                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>      | NM_001256737                                                                                                                                                                                                     |
| <b>Protein Refseq</b>   | NP_001243666                                                                                                                                                                                                     |
| <b>UniProt ID</b>       | B7Z621                                                                                                                                                                                                           |

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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