

# Recombinant Full Length Human GPD1L Protein, Flag tagged

**Cat. No.** GPD1L-13HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human glycerol-3-phosphate dehydrogenase 1-like (GPD1L) with C-Flag tag was expressed in HEK293.                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>ProteinLength</b>    | 1-351 aa                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | The protein encoded by this gene catalyzes the conversion of sn-glycerol 3-phosphate to glycerone phosphate. The encoded protein is found in the cytoplasm, associated with the plasma membrane, where it binds the sodium channel, voltage-gated, type V, alpha subunit (SCN5A). Defects in this gene are a cause of Brugada syndrome type 2 (BRS2) as well as sudden infant death syndrome (SIDS). |
| <b>Form</b>             | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | 38.2 kDa                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AASequence</b>       | MAAAPLKVCIVGSGNWGSAAVAKIIGNNVKKLQKFASTVKMWVFEETVNGRKLTDIIN<br>NDHENVKYLPGHKLPENNVAMSNLSEAVQDADLLVFVIPHQFIHRICDEITGRVPKKA<br>LGITLIKGIDEGPEGLKLISDIIREKMGIDISVLMGANIANEVAAEKFCETTIGSKVMENG<br>LLFKELLQTPNFRITVVDDADTVELCGALKNIVAVGAGFCDGLRCGDNTKAAVIRLGL<br>MEMIAFARIFCKGQVSTATFLESCGVADLITTCYGGRRNRVAEAFARTGKTIEELEKE<br>MLNGQKLQGPQTSAEVYRILKQKGLLDKFPLFTAVYQICYESRPVQEMLSCLQSHPE                   |

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HTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

**Notes** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration pr centrifuge.

**Storage** Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Concentration** > 0.05 µg/µL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** GPD1L glycerol-3-phosphate dehydrogenase 1-like [ Homo sapiens (human) ]

**Official Symbol** GPD1L

**Synonyms** GPD1L; glycerol-3-phosphate dehydrogenase 1-like; glycerol-3-phosphate dehydrogenase 1-like protein; KIAA0089; GPD1-L;

**Gene ID** 23171

**mRNA Refseq** NM\_015141

**Protein Refseq** NP\_055956

**MIM** 611778

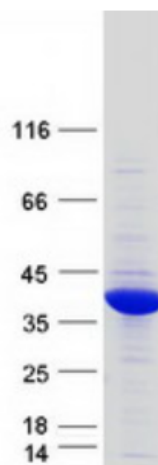
**UniProt ID** Q8N335

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## SDS-PAGE and WB



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