

# Recombinant Full Length Human GPD1L Protein, GST-tagged

**Cat. No.** GPD1L-5515HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GPD1L full-length ORF ( NP_055956.1, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 351 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <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). [provided by RefSeq, Jul 2010] |
| <b>Molecular Mass</b>   | 64.8 kDa                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MAAAPLKVCIVGSGNWGS AVAKIIGNNVKKLQKFASTVKMWWFEETVNGRKLTDIIN<br>NDHENVKYLP GHKLPENNVAMSNLSEAVQDADLLVFVIPHQFIHRICDEITGRVPKKA<br>LGITLIK GIDEGPEGLKLISDIIREKMGIDISVLMGANIANEVAAEKFCETTIGSKVMENG<br>LLFKELLQTPNFRITVVDDADTVELCGALKNIVAVGAGFCDGLRCGDNTKAAVIRLGL<br>MEMIAFARIFCKGQVSTATFLESCGVADLITTCYGGRNRRVAEAFARTGKTIEELEKE<br>MLNGQKLQGPQTS AEVYRILKQKGLLDKFPLFTAVYQICYESRPVQEMLSCLQSHPE<br>HT                                         |

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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>        | GPD1L glycerol-3-phosphate dehydrogenase 1-like [ Homo sapiens ]                                                       |
| <b>Official Symbol</b>  | GPD1L                                                                                                                  |
| <b>Synonyms</b>         | GPD1L; glycerol-3-phosphate dehydrogenase 1-like; glycerol-3-phosphate dehydrogenase 1-like protein; KIAA0089; GPD1-L; |
| <b>Gene ID</b>          | 23171                                                                                                                  |
| <b>mRNA Refseq</b>      | NM_015141                                                                                                              |
| <b>Protein Refseq</b>   | NP_055956                                                                                                              |
| <b>MIM</b>              | 611778                                                                                                                 |
| <b>UniProt ID</b>       | Q8N335                                                                                                                 |

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