

## Product datasheet for AR50039PU-N

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## **GPD1L (1-351, His-tag) Human Protein**

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** GPD1L (1-351, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** 

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MAAAPLKVCI VGSGNWGSAV AKIIGNNVKK LQKFASTVKM WVFEETVNGR KLTDIINNDH ENVKYLPGHK LPENVVAMSN LSEAVQDADL LVFVIPHQFI

HRICDEITGR VPKKALGITL IKGIDEGPEG LKLISDIIRE KMGIDISVLM GANIANEVAA EKFCETTIGS

KVMENGLLFK ELLQTPNFRI TVVDDADTVE LCGALKNIVA VGAGFCDGLR CGDNTKAAVI RLGLMEMIAF ARIFCKGQVS TATFLESCGV ADLITTCYGG RNRRVAEAFA RTGKTIEELE KEMLNGQKLQ GPQTSAEVYR ILKQKGLLDK FPLFTAVYQI CYESRPVQEM LSCLQSHPEH T

Tag: His-tag
Predicted MW: 40.6 kDa
Concentration: lot specific

Purity: >95% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human GPD1L protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 055956

**Locus ID:** 23171

UniProt ID: Q8N335

**Cytogenetics:** 3p22.3

Synonyms: GPD1-L





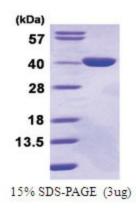
**Summary:** 

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]

**Protein Pathways:** 

Glycerophospholipid metabolism

## **Product images:**



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