

GPD1L recombinant protein

GPD1L, 1-351aa, Human, His tag, E Coli

CATALOG # AAA48750	HOST E Coli	APPLICATIONS SDS-Page
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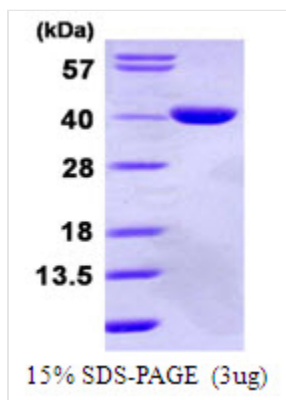
PRODUCT SYNONYMS

GPD1L; 1-351aa; Human; His tag; E Coli; Glycerol-3-phosphate dehydrogenase 1-like protein; GPD1-L; GPD1L recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 1mM DTT
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MAAAPLKVCI VGSGNWGS AV AKIIGNNVKK LQKFASTVKM WVFEETVNGR KLTDIINNDH ENVKYLPGHK LPENNVAMSN LSEAVQDADL LVFVIPHQFI HRICDEITGR VPKKALGITL IKGIDEGPEG LKLISDIIRE KMGIDISVLM GANIANEVAA EKFCETTIGS KVMENGLLFK ELLQTPNFRI TVVDDADTVE LCGALKNIVA VGAGFCDGLR CGDNTKAAVI RLGLMEMIAF ARIFCKGQVS TATFLESCGV ADLITTCYGG RNRRAEAF RTGKTIEELE KEMLNGQKLQ GPQTSAEVYR ILKQKGLLDK FPLFTAVYQI CYESRPVQEM LSCLQSHPEH T
Sequence Length	351
Applicable Applications for GPD1L recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for GPD1L recombinant protein	GPD1L, also known as glycerol-3-phosphate dehydrogenase 1-like protein, converts sn-glycerol 3-phosphate to glycerone phosphate. This protein is found in the cytoplasm, associated with the plasma membrane, where it binds the sodium channel, voltage-gated, type V, alpha subunit (SCN5A). Mutations in GPD1L are the cause of sudden infant death syndrome (SIDS) and Brugada syndrome type 2, an autosomal dominant tachyarrhythmia. Recombinant human GPD1L protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for GPD1L recombinant protein	Metabolism
References	Valdivia C.R., et al. (2009) Am. J. Physiol. 297:H1446-H1452; Van Norstrand D.W., et al. (2007) Circulation. 116:2253-2259

NCBI AND UNIPROT INFORMATION

NCBI GI #	24307999
NCBI GeneID	23171
NCBI Accession #	NP_055956
NCBI GenBank Nucleotide #	NM_015141.3
UniProt Accession #	Q8N335; Q14702; Q9BRM5; A8K9U3
Molecular Weight	40.6 kDa (371aa), confirmed by MALDI-TOF
NCBI Official Full Name	glycerol-3-phosphate dehydrogenase 1-like protein
NCBI Official Synonym Full Names	glycerol-3-phosphate dehydrogenase 1 like
NCBI Official Symbol	GPD1L
NCBI Official Synonym Symbols	GPD1-L
NCBI Protein Information	glycerol-3-phosphate dehydrogenase 1-like protein
UniProt Protein Name	Glycerol-3-phosphate dehydrogenase 1-like protein
UniProt Gene Name	GPD1L
UniProt Synonym Gene Names	KIAA0089; GPD1-L

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.