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Recombinant human PP1 subunit R4/PPP1R3B protein

Catalog Number: ATGP2330

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-285aa

UniProt No.

086XI6

NCBI Accession No.

NP 001188258

Alternative Names

Protein phosphatase 1 regulatory subunit 3B, Hepatic glycogen-targeting protein phosphatase 1 regulatory subunit GL, Protein phosphatase 1 regulatory subunit 4, PP1 subunit R4, Protein phosphatase 1 subunit GL, PTG, PPP1R4 GL, hepatic glycogen-targeting subunit G/L

PRODUCT SPECIFICATION

Molecular Weight

35.1 kDa (308aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

PPP1R3B is the catalytic subunit of the serine/theonine phosphatase, protein phosphatase-1. The protein is expressed in liver and skeletal muscle tissue and may be involved in regulating glycogen synthesis in these tissues. This gene may be a involved in type 2 diabetes and maturity-onset diabetes of the young. Alternate splicing results in multiple transcript variants that encode the same protein. Recombinant human PPP1R3B



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protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

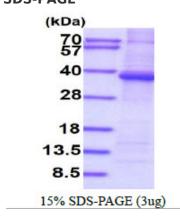
MGSSHHHHHH SSGLVPRGSH MGSMMAVDIE YRYNCMAPSL RQERFAFKIS PKPSKPLRPC IQLSSKNEAS GMVAPAVQEK KVKKRVSFAD NQGLALTMVK VFSEFDDPLD MPFNITELLD NIVSLTTAES ESFVLDFSQP SADYLDFRNR LQADHVCLEN CVLKDKAIAG TVKVQNLAFE KTVKIRMTFD TWKSYTDFPC QYVKDTYAGS DRDTFSFDIS LPEKIQSYER MEFAVYYECN GQTYWDSNRG KNYRIIRAEL KSTQGMTKPH SGPDLGISFD QFGSPRCSYG LFPEWPSYLG YEKLGPYY

General References

Munro S., et al. (2005) Diabetes. 51:591-598 Ota T., et al. (2004) Nat. Genet. 36:40-45

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

