

AR51154PU-S

Human PPP1R3B (1-285, His-tag) - Purified

Alternate names:

Hepatic glycogen-targeting protein phosphatase 1 regulatory subunit GL, PPP1R4, Protein phosphatase 1 regulatory subunit 3B, Protein phosphatase 1 regulatory subunit 4

Quantity:

0.1 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

PPP1R3B is the catalytic subunit of the serine/threonine 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 involved in type 2 diabetes and maturity-onset diabetes of the young. Alternate splicing results in multiple transcript variants that encode the same protein.

Uniprot ID:

[Q86XI6](#)

NCBI:

[NP_001188258](#)

GeneID:

[79660](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Description:

Recombinant human PPP1R3B protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMMAVDIE YRYNCMAPSL RQERFAFKIS PKPSKPLRPC
IQLSSKNEAS GMVAPAVQEK KVKKRVSFAD NQGLALTMVK VFSEFDDPLD MPFNITELLD
NIVSLTTAES ESFVLDFSQP SADYLDFRNR LQADHVCLEN CVLKDKAIAG TVKVQNLAFA
KTVKIRMTFD TWKSYTDFPC QYVKDITYAGS DRDTFSFDIS LPEKIQSYER MEFAVYYECN
GQTYWDSNRG KNYRIIRAEL KSTQGMTKPH SGPDLGISFD QFGSPRCSYG LFPEWPSYLG
YEKLGPPY

Molecular weight: 35.1 kDa (308aa)

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. Shelf life: one year from despatch.

General Readings:

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

Pictures:

