

AR51112PU-N

Human PPP4C (1-307, His-tag) - Purified

Alternate names:

PP-X, PP4C, PPP4, PPX, Protein phosphatase X, Serine/threonine-protein phosphatase 4 catalytic subunit

Quantity:

0.5 mg

Concentration:

1 mg/ml (determined by Bradford assay)

Background:

Serine/threonine-protein phosphatase 4 catalytic subunit, also known as PPP4C, belongs to the Serine/threonine-protein phosphatase catalytic subunits. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Four major families of protein phosphatase catalytic subunits have been identified, designated PP1, PP2A, PP2B (calcineurin) and PP2C. An additional protein phosphatase catalytic subunit, PPP4C is a putative member of a novel PP family. The PPP4C may play a role in dephosphorylation and regulation of HDAC3.

Uniprot ID:

[P60510](#)

NCBI:

[NP_002711](#)

GenelD:

[5531](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

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

Description:

Recombinant human PPP4C protein, fused to His-tag at N-terminus, was expressed in E.coli.

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSM AEISDL DRQIEQLRRC ELIKESEVKA LCAKAREILV
EESNVQRVDS PVTVCGLDGH QFYDLKELFR VGGDVPETNY LFMGDFVDRG FYSVETFLLL
LALKVRYPD R ITLIRGNHES RQITQVYGFY DECLRKYGSV TVWRYCTEIF DYLSLSAID
GKIFCVHGGL SPSIQTL DQI RTIDRKQEV P HDGPMCDLLW SDPEDTTGWG VSPRGAGYLF
GSDVVAQFNA ANDIDMICRA HQLVMEGYKW HFNETVLT VW SAPNYCYRCG NVAAILLELDE
HLQKDFIIFE AAPQETR GIP SKKPVADYFL

Molecular weight: 37.5 kDa (330aa)

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:

Cohen P T., et al. (1993) Biochem Soc Trans. 21:884-888. Mumby M C., et al. (1993) Phys Rev. 73:673-699.

Pictures:

