OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR51112PU-S 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: 0.1 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

GeneID: 5531

Species: Human

Source: E. coli

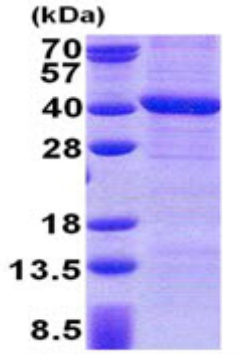
Format:
State: Liquid purified protein
Purity: >90% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

Description: Recombinant human PPP4C protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA Sequence:
MGSSHHHHHH SSGLVPRGSH MGSMAEISDL DRQIEQLRRC ELIKESEVKA LCAKAREILV
EESNVQRVDS PVTVCGDIHG QFYDLKELFR VGGDVPETNY LFMGDFVDRG FYSVETFLLL
LALKVRYPDR ITLIRGNHES RQITQVYGFY DECLRKYGSV TVWRYCTEIF DYLSLSAIID
GKIFCVHGGL SPSIQTLDQI RTIDRKQEVP HDGPMCDLLW SDPEDTTGWG VSPRGAGYLF
GSDVVAQFNA ANDIDMICRA HQLVMEGYKW HFNETVLTVW SAPNYCYRCG NVAAILELDE
HLQKDFIIFE AAPQETRGIP 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:



15% SDS-PAGE (3ug)