Recombinant human PP4 Catalytic Subunit protein

Catalog Number: ATGP2288

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-307aa

UniProt No.
P60510

NCBI Accession No.
NP_002711

Alternative Names
Serine/threonine-protein phosphatase 4 catalytic subunit, PP4, PP4C, PPH3, PPP4, PPX

PRODUCT SPECIFICATION

Molecular Weight
37.5 kDa (330aa)

Concentration
1mg/ml (determined by Bradford assay)

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

Purity
> 90% 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
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. Recombinant human PPP4C protein, fused to His-

tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

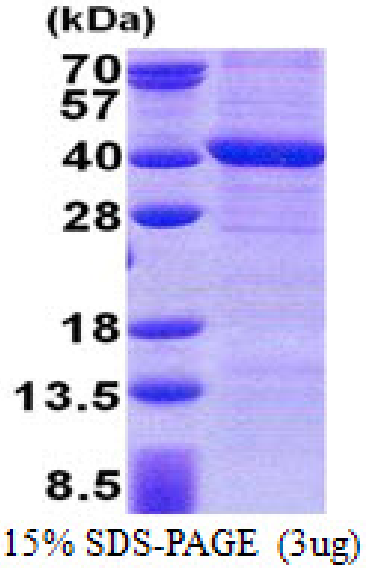
MGSSHHHHHH SSGLVPRGSH MGSMAEISDL DRQIEQLRRC ELIKESEVKA LCAKAREILV EESNVQRVDS PVTVCGDIHG QFYDLKELFR VGGDVPETNY LFMGDFVDRG FYSVETFLLL LALKVRYPDR ITLIRGNHES RQITQVYGFY DECLRKYGSV TVWRYCTEIF DYLSLSAIID GKIFCVHGGL SPSIQTLDQI RTIDRKQEVP HDGPMCDLLW SDPEDTTGWG VSPRGAGYLF GSDVVAQFNA ANDIDMICRA HQLVMEGYKW HFNETVLTVW SAPNYCYRCG NVAAILELDE HLQKDFIIFE AAPQETRGIP SKKPVADYFL

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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