

Recombinant Human PPP4C, His-tagged

Cat. No. PPP4C-2288H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PPP4C protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	330aa
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	37.5 kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAEISDL DRQIEQLRRC ELIKESEVKA LCAKAREILV EESNVQRVDS PVTVCGLIHG QFYDLKELFRVGGDVPETNY LFMGDFVDRG FYSVETFLLL LALKVRYPDRLITLIRGNHES RQITQVYGFY

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DECLRKYGSV TVWRYCTEIF DYLSLSAID GKIFCVHGGL SPSIQTLDQI
 RTIDRKQEVV HDGPMCDLLW SDPEDTTGWG VSPRGAGYLF GSDVVAQFNA
 ANDIDMICRA HQLVMEGYKWHFNETVLTW SAPNYCYRCG NVAAILELDE
 HLQKDFIIFE AAPQETRGIP SKKPVADYFL

Purity >90% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml

GENE INFORMATION

Gene Name [PPP4C protein phosphatase 4, catalytic subunit \[Homo sapiens \]](#)

Official Symbol PPP4C

Synonyms PPP4C; protein phosphatase 4, catalytic subunit; protein phosphatase 4 (formerly X), catalytic subunit; serine/threonine-protein phosphatase 4 catalytic subunit; PP4; PPX; protein phosphatase X; catalytic subunit; PP-X; protein phosphatase X, catalytic subunit; PP4C; PPH3; PPP4;

Gene ID [5531](#)

mRNA Refseq [NM_002720](#)

Protein Refseq [NP_002711](#)

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MIM	602035
UniProt ID	P60510
Chromosome Location	16p11.2
Function	NF-kappaB-inducing kinase activity; hydrolase activity; metal ion binding; protein binding; protein serine/threonine phosphatase activity; protein serine/threonine phosphatase activity;

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