

Product Data Sheet

Product Name: PPP4C Human
 Cat. No.: GP22149
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	800x600 800x600 Serine/threonine-protein phosphatase 4 catalytic subunit;PP4; PP4C; PPH3; PPP4; PPX; PPP4C; Protein Phosphatase 4 Catalytic subunit; Proteinphosphatase X; PP-X; Pp4.		
Amino Acid Sequence	800x600 MGSSHHHHHH SSGLVPRGSH MGSM AEISDL DRQIEQLRRC ELIKESEVKA LCAKAREILV EESNVQRVDSPVTVCGDIHG QFYDLKELFR VGGDVPETNY LFMGDFVDRG FYSVETFLLL LALKVRYPPDR ITLIRGNHESRQITQVYGFY DECLRKYGSV TVWRYCTEIF DYLSLSAIIID GKIFCVHGGL SPSIQTLDQI RTIDRKQEVPHDGPMCDLLW SDPEDTTGWG VSPRGAGYLF GSDVVAQFNA ANDIDMICRA HQLVMEGYKW HFNETVLTVWSAPNYCYRCG NVA AILELDE HLQKDFIIFE AAPQETRIGIP SKKPVADYFL. Normal 0 false false false EN-US X-NONE HE MicrosoftInternetExplorer4 /* Style Definitions */ table.MsoNormalTable{mso-style-name:"Table Normal";mso-tstyle-rowband-size:0;mso-tstyle-colband-size:0;mso-style-noshow:yes;mso-style-priority:99;mso-style-parent:"";mso-padding-alt:0cm 5.4pt 0cm 5.4pt;mso-para-margin:0cm;mso-para-margin-bottom:.0001pt;mso-pagination:widow-orphan;font-size:10.0pt;font-family:"Calibri","sans-serif";}		
Formulation	800x600 The PPP4C solution (1mg/1ml) contains 20mM Tris-HClbuffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Protein Phosphatase 4 Catalytic subunit (PPP4C), is a part of the Serine/threonine-protein phosphatase catalytic subunits which takes part in dephosphorylation and regulation of HDAC3. The protein phosphatase (PP) holoenzyme is a trimeric complex compound of a

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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regulatory subunit, a variable subunit and a catalytic subunit. 4 major families of protein phosphatase catalytic subunits have been identified, designated PP1, PP2A, PP2B (calcineurin) and PP2C.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

800x600 800x600 800x600 PPP4C Human Recombinant produced in E. coli is a single polypeptide chain containing 330 amino acids (1-307) and having a molecular mass of 37.5kDa. PPP4C is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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