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PPP3R2 Human

Catalog #:ENPS-110

For research use only.

Description:PPP3R2 Human Recombinant fused with a 20 a.a. His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a. 1-173) containing 193 amino acids and having a molecular mass of 22kDa.The PPP3R2 is purified by proprietary chromatographic techniques.

Synonyms: Calcineurin subunit B type 2, Calcineurin B-like protein, CBLP, Calcineurin BII, CNBII, PPP3R1-like, Protein phosphatase 2B regulatory subunit 2, Protein phosphatase 3 regulatory subunit B beta isoform, PPP3R2, PPP3RL.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MSTMGNEASY PAEMCSHFDN DEIKRLGRRF KKLDLDKSGS LSVEEFMSLP ELRHNPLVRR VIDVFDTDGD GEVDFKEFIL GTSQFSVKGD EEQKLRFAFS IYDMDKDGYI SNGELFQVLK MMVGNNLTDW QLQQLVDKTI IILDKDGDGK ISFEEFSAVV RDLEIHKKLV LIV.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:
The PPP3R2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol and 1mM DTT.

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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
PPP3R2 is a calcium-dependent, calmodulin stimulated serine/threonine protein phosphatase. In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is a crucial means of regulating a wide range of cellular functions including division, homeostasis and apoptosis. Ordinarily the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit.

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