
His-PP2C?(His-tagging Protein phosphatase 2C), Human, Recombinant

Cat.NO.: TP02455

3th Edition

Synonyms:Protein phosphatase 1A (formerly 2C), magnesium-dependent, alpha isoform, PPM1A, PP2CA, PP2C-ALPHA

Description:Protein phosphatase 2C(PP2C alpha) is a Mn²⁺- or Mg²⁺- dependent protein serine/threonine phosphatase that is essential for regulating cellular stress response in eukaryotes. The protein coding region of PP2C alpha (amino acids 1-382) was cloned into an E. coli expression vector. PP2C alpha was overexpressed in

Form:Liquid. In phosphate-buffered saline (pH 7.4)

Molecular Weight:46.6 kDa (418 aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWILMGAFDLPKMEKHNAQQGNGRLRYGLSSMQGWRVE
MEDAHTAVIGLPSGLESWSFFAVYDGHAGSQVAKYCCEHLLDHITNNQDFKGSAGAPSVENVKNGIRTGFLEIDEH
MRVMSEKKHGADRSGSTAVGVLPQHTYFINGDSDRGLLCRNRKVHFFFTQDHKPSNPLEKERIQNAGGSVMIQR
VNGSLAVSRALGDFDYKCVHKGKPTQLVSPPEVVDIERSEEDDQFIILACDGIWDVMGNEELCDFVRSRLEVTD
DLEKVCNEVVDTCLYKGSRDNMSVILICFPNAPKVSPEAVKKEAELDKYLECRVEEIIKKQGEGVPLVHVMRTLAS
ENIPSLPPGGELASKRNVIEAVYNRLNPYKNDDTDSTSTDDMW

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.