

IPP-1, 1-171aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02684

3th Edition

Synonyms:Protein phosphatase inhibitor-1, IPP-1, I-1, PPI-1

Description:Protein phosphatase inhibitor-1(IPP-1) plays an important role in the regulation of glycogen metabolism through inhibition of type-1 protein serine/threonine phosphatase(PP1) activity, and it has been implicated in the regulation of cell growth. IPP-1 activation may impose cAMP control over proteins that are not directly phosphorylated by PKA. In the presence of calcium, PPI-1 is inactivated by calcineurin (or PP2B).

Form:Liquid. In 50 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT,1 mM EDTA, 0.1 mM PMSF, 10% glycerol

Molecular Weight:20kDa (179aa), confirmed by MALDI-TOF

Sequences:

MEQDNSPRKIQFTVPLLEPHLDPEAAEQIRRRRPTPATLVLTSDQSSPEIDEDRIPNPHLKSTLAMSPRQRKKMTRIT
PTMKELQMMVEHHLGQQQQGEEPEGAAESTGTQESRPPGIPDTEVESRLGTSGTAKKTAECIPKTHEGRSKEPST
KEPSTHIPPLDSKGANSVLEHHHHHH

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.