

PTTG1, 1-202 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03604

3th Edition

Synonyms:Pituitary tumor-transforming protein 1, EAP1, HPTTG, PTTG, TUTR1

Description:PTTG1, also known as Securin, is primarily involved in the regulation of sister chromatid separation during cell division. It has two identified roles; the first one is to help the transport of separase(cysteine protease) to the nucleus and the second role is to inhibit the catalytic activity of separase. It is ubiquitinated by the Anaphase Promoting Complex (APC), and then degraded by the Proteasome, releasing separase.

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.1 M NaCl, 20% glycerol, 1mM EDTA, 0.1mM PMSF.

Molecular Weight:24.1 kDa (222aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMATLIYVDKENGEPGTRVVAKDGLKLGSGPSIKALDGRSQVSTPRFGKTFDAPPA
LPKATRKALGTVNRATEKSVKTKGPLKQKQPSFSAKMKTEKTVKAKSSVPASDDAYPEIEKFFPFNPLDFESFDLPE
EHQIAHLPLSGVPLMILDEERELEKLFQLGPPSPVKMPSPPWESNLLQSPSSILSTLDVELPPVCCDIDI

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.