

AR09247PU-L

Human Securin / PTTG1 (1-202, His-tag) - Purified

Alternate names:

EAP1, Esp1-associated protein, PTTG, Pituitary tumor-transforming gene 1 protein, TUTR1, Tumor-transforming protein 1

Quantity:

0.5 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:

[Q95997](#)

NCBI:

[NP_004210](#)

GeneID:

[9232](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >80% by SDS - PAGE

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

Endotoxin Level: < 0.5 EU per 1 µg of protein (determined by LAL method)

Description:

Recombinant PTTG1 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MATLIYVDKE NGEPGTRVVA KDGLKLGSGP SIKALDGRSQ
VSTPRFGKTF DAPPALPKAT RKALGTVNRA TEKSVKTKGP LKQKQPSFSA KKMTEKTVKA
KSSVPASDDA YPEIEKFFPF NPLDFESFDL PEEHQIAHLP LSGVPLMILD EERELEKLFQ
LGPPSPVKMP SPPWESNLLQ SPSSILSTLD VELPPVCCDI DI

Molecular weight: 24.1 kDa (222 aa)

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

Pictures:

Recombinant human PTTG1, 1-202 aa, His-tagged: 15% SDS-PAGE (3 µg)

