

Recombinant Full Length Human PTTG1 Protein, C-Flag-tagged

Cat. No. PTTG1-1819HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PTTG1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The encoded protein is a homolog of yeast securin proteins, which prevent separins from promoting sister chromatid separation. It is an anaphase-promoting complex (APC) substrate that associates with a separin until activation of the APC. The gene product has transforming activity in vitro and tumorigenic activity in vivo, and the gene is highly expressed in various tumors. The gene product contains 2 PXXP motifs, which are required for its transforming and tumorigenic activities, as well as for its stimulation of basic fibroblast growth factor expression. It also contains a destruction box (D box) that is required for its degradation by the APC. The acidic C-terminal region of the encoded protein can act as a transactivation domain. The gene product is mainly a cytosolic protein, although it partially localizes in the nucleus. Three transcript variants encoding the same protein have been found for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	21.8 kDa
AA Sequence	MATLIYVDKENGEPGTRVVAKDGLKLGSGPSIKALDGRSQVSTPRFGKTFDAPPALP

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KATRKALGTVNRA TEKSVKTKGPLKQKQPSFSAKKMTEKTVKAKSSVPASDDAYPE
IEKFFPFNPLDFESFDLPEEHQIAHLP LSGVPLMILDEERELEKLFQLGPPSPVKMPS
PPWESNLLQSPSSILSTLDVELPPVCCDIDI TRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Protein Pathways	Cell cycle, Oocyte meiosis
Full Length	Full L.

GENE INFORMATION

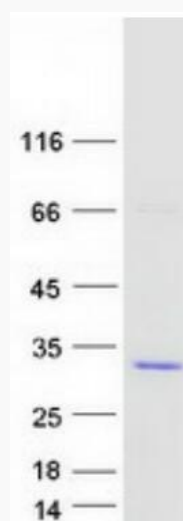
Gene Name	PTTG1 PTTG1 regulator of sister chromatid separation, securin [Homo sapiens (human)]
Official Symbol	PTTG1
Synonyms	EAP1; PTTG; ECRAR; HPTTG; TUTR1

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Gene ID	9232
mRNA Refseq	NM_004219.4
Protein Refseq	NP_004210.1
MIM	604147
UniProt ID	O95997



Coomassie blue staining of purified PTTG1 protein.