Recombinant Human PTTG1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. PTTG1-120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTTG1 MS Standard C13 and N15-labeled recombinant protein (NP_004210) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	22 kDa
AA Sequence	MATLIYVDKENGEPGTRVVAKDGLKLGSGPSIKALDGRSQVSTPRFGKTFDAPPALP KATRKALGTVNRATEKSVKTKGPLKQKQPSFSAKKMTEKTVKAKSSVPASDDAYPEI

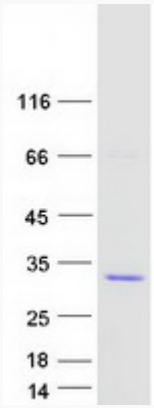
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	EKFFPFNPLDFESFDLPEEHQIAHLPLSGVPLMILDEERELEKLFQLGPPSPVKMPSPPWESNLLQSPSSILSTLDVELPPVCCDIDITRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PTTG1 PTTG1 regulator of sister chromatid separation, securin [Homo sapiens (human)]
Official Symbol	PTTG1
Synonyms	PTTG1; PTTG1 regulator of sister chromatid separation, securin; EAP1; HPTTG; PTTG; TUTR1; securin; ESP1-associated protein 1; pituitary tumor-transforming 1; pituitary tumor-transforming gene 1 protein; tumor-transforming protein 1
Gene ID	9232
mRNA Refseq	NM_004219
Protein Refseq	NP_004210

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MIM	604147
UniProt ID	O95997
SDS-PAGE	

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