

Product datasheet for **SC200277**

Securin (PTTG1) (NM_004219) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Securin (PTTG1) (NM_004219) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTTG1
Synonyms:	EAP1; HPTTG; PTTG; TUTR1
ACCN:	NM_004219
Insert Size:	88 bp
Insert Sequence:	>SC200277 3'UTR clone of NM_004219 The sequence shown below is from the reference sequence of NM_004219. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCACCTGTTTGCTGTGACATAGATATTAAATTTCTTAGTGCTTCAGAGTTGTGTGATTTGTATTAA TAAAGCATTCTTTAACAGA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_004219.4</u>



[View online »](#)

Summary:

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. [provided by RefSeq, Sep 2013]

Locus ID:

9232

MW:

3.4