

Product datasheet for **SC215488**

POT1 (NM_001042594) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	POT1 (NM_001042594) Human 3' UTR Clone
Symbol:	POT1
Synonyms:	CMM10; GLM9; HPOT1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001042594
Insert Size:	1606 bp



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Insert Sequence:	>SC215488 3'UTR clone of NM_001042594 The sequence shown below is from the reference sequence of NM_001042594. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GACACCACAGTTGCAGAAAGATGTAATCTAATTGGCCATCCAATTTAGCATACATAAAATGTTGCCACT CACCTTCCTGTTTGAGCTTCTTTCTGACCTGAGTTTTGTATCAGCAATGTTGATGATGTTAGCATG GGTATGGGATTAGAAAATGTCCTTACCTTAAATCTCTGGCTTTTACTGGGTGCAAGGTAATAATGGC TATGGATTTTGTCTTCTGTTTGTCTTGTACAAAGAGACCTGCTTAAACAAGTACTGCTGAGA TAAGTGTCTGATCAAGCTACAGTGTACTTTAAGTAGAAATGGCAAAGTTGCTTTGTTGGGTGCTGATA CTGATGATTTTAGGATAAATTCATTTCTTAACTTGAATACATGGTTTTATTGCTTGTCTCTCCA GGATAGTAGAGATTTCTATTTACCTCAACCTAATAAAAGTGGTCAGATTTATAATGTTAATGACTT AATATTATCCTTTCTAATAGTCTCATGAAAAATATGCCGCTATTACAACCTACAACCTAATGAATGAG ATGTTAACTTAGTAAATAGTTTGATTTTACCTGACAGTGTGTGCAAAATTTAAATCATGAATATTC AATTTTATACAAACATTTATATATATATATAGATTTGTGTATGTTATTGGCAAAGACAGATATAAA TTACCTGGTTTAAATATTAGTGAAGAATAAATAAGTGCACACATTTCAACTGTTTCATTTATTGGCCTA AGTTGAGCTGAAAAATGATATGAGGCAAGAATCGAAATAGGTGTGGCAATGCAGCAGATGTTTAGGGC TGCTACATCCCAGGTAAGTGTGTAAGCACTAAACATGTATTTGATCCTCACAGCAACCTATTTTCCG ATAAGAAATCTGAGGCTTGATTGATAAGCTGACTGACTAAGTTCACACAGTTTGTAAAAGCTAGAGTC TGTCCTTAATTCACATAATCTCTATTCAGAGCCTGTACTGTTAACCACTCAAGGATTCTGGAACAGAA GCTAACAGTTTTCTGCAACGAGTCTTTGACTTAAACATCTGAAATAACATTGGAAATAGATTATAAGAG GAGTCAGTGTGTTTTCTATAGTTTCAAAATACTTTTAAACATCTTATTGTCAAAAAGATTGGATAACTG ACTTTCTTGTCTATAATAACTCTAAATCTAGTTCCTGAGTACATTAACACATCTTCTTACCTAACT ACCAATGTCCCCATCATCGACTTATCAGCTTGTGTTGAGACAATGAGAAAGACTGATTTTATTTTCAAG AATATAGACTCTTGGTTCAAAACATTTTCAGGAAAAATATTTTAAACCTACAGTTGAACAGGTGTGT TTCCGTGTTGATGATGTGCTCAGGATACAAAGGTGAAATAAACATTTTCTGCCTTCAGGAAGCCCTC AATCTAGAAGAGTAGAGGTCCAAAGGTGCCATATGTTCACTGTGAGCCTGCAAGATCTCCACGTAA CAAAGGAAAACTTCTCTATGAATCTTCATGATGATAGGCCATGTCTCTTATTTTGTTTTAAATA AACATCCACCTTATCATGA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCGCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
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_001042594.2</u>

Summary:

This gene is a member of the telombin family and encodes a nuclear protein involved in telomere maintenance. Specifically, this protein functions as a member of a multi-protein complex that binds to the TTAGGG repeats of telomeres, regulating telomere length and protecting chromosome ends from illegitimate recombination, catastrophic chromosome instability, and abnormal chromosome segregation. Increased transcriptional expression of this gene is associated with stomach carcinogenesis and its progression. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jul 2008]

Locus ID:

25913

MW:

61.9