

Product datasheet for **SC205407**

Chk1 (CHEK1) (NM_001114121) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Chk1 (CHEK1) (NM_001114121) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CHEK1
Synonyms:	CHK1
ACCN:	NM_001114121
Insert Size:	401 bp
Insert Sequence:	>SC205407 3'UTR clone of NM_001114121 The sequence shown below is from the reference sequence of NM_001114121. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC AGCCAGAAGATTTGGCTTCCTGCCACAT GA TCGGACCACGGCTCTGGGAATCCTGATGGAGTTTCAC TCTTGCTCCCAGGCTGGAGTACAATGGCATGATCTCAGCTTACTGCAACCTCCGTCTCCTGGGTTCAA GGATTCTCCTGCCTCAGCCTTCCAAGTAGCTGGGATTACAGGTGCCACCACCACACCTGGCTAGGTT TTGATTTTTAGTAGAGATGGGGTTTTTTCATGTTGGCCAGGCTGATCTGGAACCTCGACCTCAAGTG ATCCACCTGCCTTGGCTCCCAAAGTGCTGGGATTTAGGTGTGAGCCACCTCGCCTGGCAAGGGATTC TGTTCCTAGTCTTGAAAAATAAAGTTCTGAATCTTCAAAAAAAAAAAAAAAAAAAAA ACGCGT AAGCGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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_001114121.2</u>



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Summary: The protein encoded by this gene belongs to the Ser/Thr protein kinase family. It is required for checkpoint mediated cell cycle arrest in response to DNA damage or the presence of unreplicated DNA. This protein acts to integrate signals from ATM and ATR, two cell cycle proteins involved in DNA damage responses, that also associate with chromatin in meiotic prophase I. Phosphorylation of CDC25A protein phosphatase by this protein is required for cells to delay cell cycle progression in response to double-strand DNA breaks. Several alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2011]

Locus ID: 1111

MW: 14.9