

Product datasheet for **SC214458**

PANK1 (NM_148977) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PANK1 (NM_148977) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PANK1
Synonyms:	PANK
ACCN:	NM_148977
Insert Size:	1448 bp



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Insert Sequence: >SC214458 3'UTR clone of NM_148977
 The sequence shown below is from the reference sequence of NM_148977. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAACTGTTCAAAATGACTGATGACAAGTAGAGACGAGCAGTGGAGGAAACAGCCTCCAAAAGGACAGA
GAACTAAAAAATTGCTGCTGGAGAAAGGTGAAAGTCGCTTTGGGACGGAAGCCAAGCCATTATGGCAGAT
GAACCTGCTGGATTTGTAATAATTTAAAAATCCTTCCAGATGATCTTTACTCTTAGGTTTTGAGCTAA
TGATTCAAAACGGGGGAATATAAAAGGTTTTTTTTCTGTACTGTATTTTAAAAAATGGTGCAG
CGTGGCCAAACCTACCAATTGTATGCATTAACCTTGAAGGTTGTTTGTATTTAAGAAGGACCTGATA
TGTAAGCGCTGGTCATTTTTCTCTGGGGTTACTGATCAGTGTGGTGATTTAACTTCATTTAGTAAT
TACTCTAGGAGATTTACCTTGACTTATTTTTCATGACGTTTCATGATTTGCTGTTGGTTTCAAATG
AAACTACAAATCTGGCATGTTTTACTGTGAACACTTTTGTATTTGTTTGTACCCTTTTTGTCTTGT
TTTTCTGTTTTAGTTGTCTTCTGAAAAAGAGTCGTTCCCTCTGTTTCTGTCTCAGATGATGCCCTC
CCCCTACCTGTAACTTTCTTTGACATAATTGTTCAATCAATGAAGGTGCTGACCAGCTCAATACAAA
GTTAAGCACAAGATCTAAAGCTCTTGAAGATGCCCGTGAAGAGAAGACTGAATGTGTTAATGAATTTAA
TGAGTCTGGCAAAAGTTGCAAAATATATGCAAGTTTGCTCTATCGCTTATAAATGTAGTGTTCATTGG
ATTTATTTTATGCTAGGTTATATTAAGTTGAAATAGTCTGTGATTAATGTCCTCATCCATGCACAGAA
TATGAATGGCAGCAAATCTTTGTGCAAGAAATTTGAAACTTATTGGGAAAAGCCTCCAGTAGATTAAT
TGTTTCATATCAGGAGATTTAGGGTAAGTCATGGGTTGAGGTGTCAGATAGTAATATCTATTTGTTTTGT
ACATGTATATCTAGGAACTTTGTAACAACACATCTTTAATAATGTTAAAGGTTTTTTCATTTTTAAT
ATTTTAACTAAAACTGACTTCAATCTCAGTTTCTAAAAATTAATAATTTATACTGATCTATATA
TTTTTTCTTTTTGAAAGATTTTCTTAAGACTGATGGGTAACCTTTCAAATGAGGGTCATGTACAAATATT
GGGATGCATGAGATCCCATGATCTTGTGTATTGAGCTTATTGTTGAAAGGGATTTTTGAAGGACAGAAC
AATTACTCCATGATGAATCTTCTTTCTCTGCCTTCTGAGCACCGTCTTTAATTTCCATATCTTCAAGT
CTTGAAGAAGTTGATGTTAATTGAAGAATTCCTTGTCTGGTTGAAATAAAGCCTGTTTCTGTTGTGA
ACGCGTAAAGCGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCACCGCCGCTTCTATGAAAGG
  
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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: [NM_148977.3](#)

Summary: This gene encodes a member of the pantothenate kinase family. Pantothenate kinases are key regulatory enzymes in the biosynthesis of coenzyme A (CoA). The encoded protein catalyzes the first and rate-limiting enzymatic reaction in CoA biosynthesis and is regulated by CoA through feedback inhibition. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. This gene and an intronic miRNA on the same strand are co-regulated by the tumor suppressor p53 (see PMID 20833636). [provided by RefSeq, Apr 2011]

Locus ID: 53354

MW: 57.1