

## Product datasheet for **SC214386**

### **C16orf57 (USB1) (NM\_024598) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	C16orf57 (USB1) (NM_024598) Human 3' UTR Clone
Symbol:	C16orf57
Synonyms:	C16orf57; hUsb1; HVSL1; Mpn1; PN
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_024598
Insert Size:	1403 bp



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**Insert Sequence:** >SC214386 3'UTR clone of NM\_024598  
 The sequence shown below is from the reference sequence of NM\_024598. 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
AACAAAGTTCTTCTCGATGCCTTTGAAGTAGCACCAGAGCCTTCTCCTCCAGGGCCTCTGCAGACC
AGGCTGAGATGGAGAACCTGCTAAAATCGATGGAGATGTTCTAGCCTCCCAGTAGGAGCCCCAGCC
ATGCCTTCAACCTGGCAGGAGGTAGCCACTCCTCATCCTCCCTGAGTGCTGATATTCTCTCTCTCTC
TTTCTCTTCTCTTTTCTCTCTTTCTCCTCTTTCTCCTCTGTCTCTTCTCTCTCTCTCTCTCTCTCT
CCTCTCTTCTCTTCTCTCCTCTCTCTTCTCTCTCTTCCCTCCTGTCTCTCTCTCTCTCTCTCTCTCT
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CTTTCTTCTCTCTCTCTCTCTCGGCTGTTGTGGGTTGCAGGTTGGGTGCTGCTGTTGTGGTCTCTCCC
AGAAACTGCCAGTAGAGGGCAGCCTGGGCATCCTAATGCTTACTCTGGTTGTACACAAAGAAAATATT
GGGGTCACTGGCAGCCACCCACACTACCAGAATCTCCACTGTAGTCCCCTAACAAACAGCCCTTC
ACTTCTCTCCCCTTACGCAATTTGATTTTGTATGATGCCATTGGCCTCAGATCAGAGTGTTTAAATCAT
CACGCCCTGGCTTATCCCTGGTGCAGCCAGGACACGGGGTGTTCAGTGGGTCTGTACCCTCTCTCTCT
TGAAGCATGTTGCTTTTATTTACTTTTACTCTCACCTGCTCCTGTACCAGAGGGGCCACTTCA
AAGCCAAGGTACAGGGTGATAACTGTGGTCCAGCATCAGTTTTCTCCACTTCTTCTCCACTCACCC
CCAGCAAAGTGCCTGGGAGACTTGAGCAGATGTTTCATTTTGGCCTGGCCAGTGGCTGAAAGCCAGGC
CTCCAATGCACTGTGACCTCTGGCTTCCCAGCAGCTTTCCAGAGAGGCAGAGGGGCTTCCACAGCC
CGGGTTCTCTGTGCCTCCTGCCTGCTGCAGCTGCAGGCATTCTGAGGGCAACGTGGAGGAAGGGCC
AGGGATGCATGGGATTTAATTGTTTCATCACACCTTCCCCTGGCAAAGAAACAGTCAGTCTCTTCA
GGTGTCTTCTGGATTTCTGGTATGGACAGAGAAATCTTTTTACAGTTTCAAATTATGTTCAACAAATA
AAAATTGCATTTTTTATTTTGA
ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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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\\_024598.4](#)

**Summary:** This gene encodes a protein with several conserved domains, however, its exact function is not known. Mutations in this gene are associated with poikiloderma with neutropenia (PN), which shows phenotypic overlap with Rothmund-Thomson syndrome (RTS) caused by mutations in the RECQL4 gene. It is believed that this gene product interacts with RECQL4 protein via SMAD4 proteins, explaining the partial clinical overlap between PN and RTS. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Mar 2011]

Locus ID: 79650

MW: 51