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Product datasheet for SC112152

C16orf57 (USB1) (NM_024598) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf57 (USB1) (NM_024598) Human Untagged Clone
Tag:	Tag Free
Symbol:	C16orf57
Synonyms:	C16orf57; hUsb1; HVSL1; Mpn1; PN
Mammalian Cell Selection:	None
Vector:	pCMV6-XL6
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024598, the custom clone sequence may differ by one or more nucleotides

ATGAGCGCGGCGCCCCTGGTGGGCTACAGCAGCAGCGGCTCCGAGGATGAGTCCGAGGACGGGATGCGGA
CCAGGCCGGGGGATGGGAGCCACCGTCGTGGCCAGAGCCCCCTTCCCAGGCAGAGATTTCCAGTACCTGA
CAGTGTGCTGAACATGTTCCCGGGCACCGAGGAGGGGCCTGAAGATGACAGCACAAAACACGGGGGACGG
GTGCGCACCTTCCCCCACGAGCGAGGCAACTGGGCCACCCACGTCTATGTACCATATGAAGCCAAGGAGG
AGTTCCTGGATCTGCTTGATGTGTTGCTGCCCCATGCCCAGACATATGTCCCCCGGCTGGTAAGGATGAA
GGTGTTCCACCTCAGCCTGTCCCAGAGTGTGGTTCTGCGCCACCACTGGATCCTCCCCTTCGTGCAGGCT
CTGAAAGCCCGTATGACCTCCTTCCACAGATTCTTCTTTACTGCCAACCAGGTAAAGATTTACACCAATC
AAGAGAAAACCAGGACCTTTATTGGGCTTGAGGTCACTTCAGGGCATGCCCAGTTCCTGGACCTGGTTTC
AGAGGTGGACAGAGTCATGGAGGAATTCAACCTCACCACTTTCTACCAGGATCCTTCTTTCCACCTCAGC
CTGGCCTGGTGTGTGGGTGATGCACGTCTCCAGCTGGAGGGGCAGTGCCTGCAGGAACTACAGGCAATCG
TGGATGGGTTTGAAGATGCTGAGGTGCTGCTGCGCGTGCACACTGAGCAAGTCCGCTGCAAGTCTGGGAA
CAAGTTCTTCTCGATGCCTTTGAAGTGA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_024598 unedited
TCCGCGCCCCGTTGCCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAG
AGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCGCGAA
TTCGGCACGAGGGGTTGAGGTTGCTGGTGGACCTGCTCTGGTGGTCTTGGATGAGGCCCC
ATGAGCGCGGCGCCCCTGGTGGGCTACAGCAGCAGCGGCTCCGAGGATGAGTCCGAGGAC
GGGATGCGGACCAGGCCGGGGGATGGGAGCCACCGTCGTGGCCAGAGCCCCCTTCCCAGG
CAGAGATTTCCAGTACCTGACAGTGTGCTGAACATGTTCCCGGGCACCGAGGAGGGGCCT
GAAGATGACAGCACAAAACACGGGGGACGGGTGCGCACCTTCCCCCACGAGCGAGGCAAC
TGGGCCACCCACGTCTATGTACCATATGAAGCCAAGGAGGAGTTCCTGGATCTGCTTGAT
GTGTTGCTGCCCCATGCCCAGACATATGTCCCCCGGCTGGTAAGGATGAAGGTGTTCCAC
CTCAGCCTGTCCCAGAGTGTGGTTCTGCGCCACCACTGGATCCTCCCCTTCGTGCAGGCT
CTGAAAGCCCGTATGACCTCCTTCCACAGATTCTTCTTTACTGCCAACCAGGTAAAGATT
TACACCAATCAAGAGAAAACCAGGACCTTTATTGNGCTTGANGTCACTTCAGGGCATGCC
CAGTTCCTGGACCTGGTTTCAGAGGTGGACAGAGTCATGGAGGAAATTCACCTCACCACT
TTCTACCNAGATCCTTNCTTCCACCTCAGCCTGGCCTGGTGTGNTGGTGATGCACGTCTC
CAGCTGGAGGGGCAGTGCCTGCAGAACCTACAGCATCGTGNATGGTTNGAGATGCTGAGT
GCTGCTGGCGTGCCACTGACAGTCGCTGN
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Restriction Sites: NotI-NotI

ACCN: NM_024598

Insert Size: 5000 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_024598.2, NP_078874.2

RefSeq Size: 2280 bp

RefSeq ORF: 798 bp

Locus ID: 79650

UniProt ID: Q9BQ65

Cytogenetics: 16q21

Gene 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]
Transcript Variant: This variant (1) represents the predominant transcript and encodes the longest isoform (1).