

Product datasheet for **SC125630**

C16orf57 (USB1) (BC006291) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C16orf57 (USB1) (BC006291) Human Untagged Clone
Tag:	Tag Free
Symbol:	C16orf57
Synonyms:	FLJ13154
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for BC006291 edited
CTGGTGGACCTGCTCTGGTGGTCTTGGATGAGGCCCATGAGCGCGGCCCCCTGGTGGG
CTACAGCAGCAGCGGCTCCGAGGATGAGTCCGAGGACGGGATGCGGACCAGGCCGGGGGA
TGGGAGCCACCGTCGTGGCCAGAGCCCCCTCCAGGCAGAGATTTCCAGTACCTGACAG
TGTGCTGAACATGTTCCCGGGCACCGAGGAGGGGCTGAAGATGACAGCACAAAACACGG
GGGACGGGTGCGCACCTCCCCACGAGCGAGGCAACTGGGCCACCCACGTCATGTACC
ATATGAAGCCAAGGAGGAGTTCCTGGATCTGCTTGTGTGTTGCTGCCCATGCCAGAC
ATATGTCCCCCGCTGGTAAGGATGAAGGTGTTCCACCTCAGCCTGTCCCAGAGTGTGGT
TCTGCGCCACCACTGGATCCTCCCTTCGTGCAGGCTCTGAAAGCCCGTATGACCTCCTT
CCACAGATTCTTCTTACTGCCAACAGGTAAGATTTACACCAATCAAGAGAAAACCAG
GACCTTTATTGGCTTGAGGTCACTTCAGGGCATGCCAGTTCCTGGACCTGGTTTCAGA
GGTGGACAGAGTCATGGAGGAATCAACCTCACCCTTTCTACCAGGATCCTTCTTTCCA
CCTCAGCTGGCCTGGTGTGTGGGTGATGCACGTCTCCAGCTGGAGGGGAGTGCCTGCA
GGAACACAGGCAATCGTGGATGGGTTTGAAGATGCTGAGGTGCTGCTGCGCGTGCACAC
TGAGCAAGTCCGCTGCAAGTCTGGGAACAAGTTCTTCTCGATGCCTTTGAAGTGAGCAC
AGAGGCCCTCCTCCTCCAGGGCCCTCTGCAGACCAGGCTGAGATGGAGGAACCTGCTAAA
ATCGATGGAGATGCTTCTAGCCTCCCAGTAGGAGGCCCCAGCCATGCCTTCAACCTGGCA
GGAGGTGTAGCCACTCCTCATCCTCCCTGAGTGTGATATTCTCTCTCTCTTTCTCTT
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CTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
CTGTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
TTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
TCGGCTGTTGTGGGTTGCAGGTTGGGTGCTGCTGTTGTGGTCCTCCCAGAAACTGCCAG
TAGAGGGCAGCCTGGGCATCCTAATGCTTACTCTGGTTGTACACAAAAGAAAATATTGGG
GTCAGTGGCGAGCCACCACACTCACCAGAATCTCCACTGTAGTCCCCTAACAAACAG
CCCTTCACTTCTCTTCCACTTCAGCAATTTGATTTTGTATTTGATGCCATTGGCCTCAGATCAG
AGTGTAAAATCATCACGCCCTGGCTTATCCCTGGTCGAGCCAGGACACGGGGTCTTC
AGTGGGTCTGTCACCCTCTCTCTTGAAGCATGTTGCTTTTATTTACTTTTACTCT
CACCTGCTCCTGTACCAGCAGGGGCACTTCAAAGCCAAGGTACAGGGTGATAACTTGT
GGTCCAGCATCAGTTTTCTCCACTTCTTTCTCCACTCACCCCAAGGTGCCTGGGG
AGACTTGAGCAGATGTTTCATTTGGCCTGGCCAGTGGCTGAAAGCCAGGCCTCCAATGC
ACTGTGACCTCTGGCTTCCCAGCAGCTTCCCAGAGAGGCAGAGGGGCTTCCACAGCC
CGGGTTCTCCTGCTGCCTCCTGCCTGCTGCAGCTGCAGGCATTCTGAGGGGCAACGTGGA
GGAAGGGCCAGGGATGCATGGGATTTAATTGTTTCATCACACCTTCCCGTGGCAAAGA
AACAGTCAGTCTCTCAGGTGTCTTCTGGATTCTGGTGTGATGGACAGAGAAATCTTTT
ACAGTTTCAAATTATGTTCAACAAATAAAAATTGCATTTTTTAAAAAAAAAAAAAAAAAAA
A
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC006291 unedited GGGAGTTAGATTTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCTGGTG GACCTGCTCTGGTGGTCTTGGATGAGGCCCATGAGCGCGGCCCTGGTGGGCTACAG CAGCAGCGGCTCCGAGGATGAGTCCGAGGACGGGATGCGGACCAGGCCGGGGATGGGAG CCACCGTCGTGGCCAGAGCCCCCTCCAGGCAGAGATTTCCAGTACCTGACAGTGTGCT GAACATGTTCCCGGGCACCGAGGAGGGGCTGAAGATGACAGCACAAAACACGGGGGACG GGTGCACACCTTCCCCACGAGCGAGGCAACTGGGCCACCCACGCTCTATGTACCATATGA AGCCAAGGAGGAGTTCTGGATCTGCTTGATGTGTTGCTGCCCATGCCAGACATATGT CCCCCGGCTGGTAAGGATGAAGGTGTTCCACCTCAGCCTGTCCAGAGTGTGTTCTGCG CCACCACTGGATCCTCCCTTCGTGCAGGCTCTGAAAGCCCGTATGACCTCCTCCACAG ATTCTTCTTACTGCCAACCAAGTAAAGATTTACACCAATCAAGAGAAAACAGGACCTT TATTGGGCTTGAGGTCACTTCAGGGCATGCCAGTTCCTGGACCTGGTTTCAGAGGTGGA CAGAGTCATGGAGGAATCAACCTCACCCTTTCTACCAGGATCCTTCTTCCACCTCAG CCTGGCCTGGTGTGTTGGTGTGATGCAGTCTCCAGCTGGAGGGCAGTGCCTGCAGGACT ACAGGCCATCGTGGATGGGTTTTGAAGATGCTGAGGTGCTGCTGCGCGTGCACACTGAGC AAGTCCGCTTGCAGTCTGGGAACAATTTCTTCTTAGATGCCTTTGAAGTGAACCAAG
Restriction Sites:	Please inquire
ACCN:	BC006291
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:	<ol style="list-style-type: none"> 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:	BC006291.2 , AAH06291.1
RefSeq Size:	2161 bp
Locus ID:	79650
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]