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Product datasheet for SC318650

CEP152 (NM_014985) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: CEP152 (NM_014985) Human Untagged Clone

Tag: Tag Free

Symbol: CEP152

Synonyms: MCPH4; MCPH9; SCKL5

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_014985, the custom clone sequence may differ by one or more nucleotides

ATGTCATTAGACTTTGGCAGTGTGGCACTACCAGTGCAAAATGAAGATGAAGAGTATGAC
GAAGAGGACTATGAAAGAGAGAAAGAGTTGCAGCAGTTACTCACAGACCTTCCCCATGAC
ATGCTGGATGACGACCTCTCCTCTCCAGAGCTCCAGTATTCGGACTGCAGCGAGGATGGC
ACAGACGGACAACCACATCATCCTGAGCAATTGGAGATGAGCTGGAATGAGCAAATGCTG
CCCAAATCTCAAAGTGTAAATGGCTATAATGAAATTCAGAGTTTATATGCTGGAGAAAAA
TGTGGTAATGTCTGGGAAGAAAATAGAAGTAAAACTGAAGACCGACATCCTGTGTACCAT
CCTGAAGAAGGTGGAGATGAAGGTGGAAGTGGTTATAGTCCTCCAAGTAAATGTGAACAG
ACTGATTTATATCACCTTCCTGAAAACTTTAGGCCATATACCAATGGTCAGAAGCAGGAA
TTTAATAACCAAGCAACCAATGTAATTAAATTTTCAGATCCTCAATGGAACCATTTTCAG
GGTCCCAGTTGTCAAGGTTTGGAACCGTATAATAAAGTGACATATAAACCTTATCAGTCT
TCTGCCCAGAATAATGGCTCACCAGCCCAGGAGATAACAGGAAGTGACACATTCGAAGGC
CTGCAACAACAATTTTTAGGAGCTAATGAGAACTCTGCAGAAAATATGCAGATTATTCAA
CTTCAGGTTCTTAACAAAGCAAAAGAGAGACAACTGGAGAACTTAATTGAAAAGTTAAAT
GAAAGTGAACGTCAAATTCGATATCTGAATCACCAGCTTGTAATAATAAAAGATGAAAAG
GATGGTTTGACTCTCAGCCTTCGAGAATCACAGAAACTCTTTCAGAATGGAAAAGAAAGA
GAGATACAGCTTGAAGCTCAAATAAAAGCACTGGAGACTCAGATACAAGCATTAAAAGTC
AATGAAGAACAGATGATCAAGAAGTCCAGAACAACTGAAATGGCTCTGGAAAGCTTGAAG
CAGCAGCTGGTGGACCTTCATCATTCTGAATCACTTCAACGAGCTAGAGAACAGCATGAG
AGCATTGTTATGGGCCTCACAAAGAAGTACGAAGAGCAAGTATTGTCCTTACAAAAGAAT
TTGGATGCCACAGTCACCGCACTTAAAGAACAGGAAGACATTTGCTCTCGTCTGAAAGAT
CACGTGAAACAACTGGAAAGGAATCAAGAAGCAATCAAGTTAGAAAAGACTGAGATCATT
AATAAGTTGACAAGAAGTCTAGAGGAGAGTCAAAAGCAGTGTGCCCACTTGTTGCAGTCC
GGGTCAGTACAAGAGGTGGCTCAGCTACAGTTCCAGCTGCAGCAAGCACAGAAGGCACAT
GCTATGAGTGCAAACATGAACAAGGCTTTGCAAGAAGAATTAACAGAACTAAAAGATGAA
ATTTCTCTCTATGAATCTGCTGCAAAACTAGGAATACATCCAAGTGACTCAGAAGGAGAA
TTAAATATAGAACTCACTGAATCGTATGTGGATTTGGGTATTAAAAAGGTCAACTGGAAA
AAATCCAAAGTTACCAGCATTGTACAAGAAGAAGACCCAAATGAAGAGCTTTCAAAAGAT
GAGTTCATTCTGAAGTTAAAGGCAGAAGTACAGCGTTTGCTGGGTAGCAACTCAATGAAG
CGTCATCTGGTGTCTCAGTTACAAAATGACCTCAAAGACTGTCATAAGAAAATTGAAGAT

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CTCCACCAAGTGAAGAAGGATGAAAAAAGCATTGAGGTTGAGACTAAAACAGATACCTCA
GAAAAACCAAAGAATCAATTATGGCCTGAGTCTTCTACTTCTGATGTTGTCAGAGATGAT
ATTCTGCTGCTTAAAAATGAAATTCAAGTTTTACAACAACAAAATCAGGAACTTAAAGAA
ACTGAAGGAAAACTGAGAAATACAAATCAAGACTTATGTAATCAAATGAGACAAATGGTA
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AAGAACGAAGAAGTCCCTGTGGTCATCAGGGCTGAGTTAGCTAAGGCTCGGAGTGAATGG
AACAAAGAAAAGCAAGAAGAAATCCACAGAATCCAAGAACAAAATGAGCAAGATTACCGG
CAATTTTTAGATGATCACCGAAATAAAATTAATGAGGTGCTTGCGGCAGCTAAAGAAGAC
TTTATGAAACAAAAAACTGAACTACTTCTTCAGAAGGAGACAGAATTACAAACTTGTCTA
GACCAGAGTCGTAGAGAATGGACTATGCAGGAAGCCAAGCGGATCCAACTGGAAATCTAT
CAGTATGAGGAAGACATCCTGACTGTACTTGGGGTTCTTTTAAGTGATACCCAAAAGGAG
CACATCAGTGATTCTGAGGACAAGCAGCTTTTGGAAATCATGTCGACTTGTTCTTCAAAA
TGGATGTCTGTGCAATATTTTGAAAAACTAAAGGGCTGCATACAGAAAGCATTTCAAGAT
ACACTTCCTCTGCTTGTAGAAAACGCTGACCCAGAATGGAAAAAGAGAAATATGGCCGAG
CTCTCTAAGGATTCTGCCAGCCAGGGCACTGGCCAAGGAGACCCTGGACCTGCTGCTGGA
CACCATGCTCAGCCCTTGGCCTTACAAGCAACAGAAGCAGAAGCTGAAGAGAATAATAAA
GTTGTTGAAGAATTAATAGAAGAAAACAACGACATGAAGAATAAATTGGAAGAATTGCAA
ACACTTTGTAAAACACCACCAAGGTCATTGTCAGCAGGGGCCATTGAAAATGCTTGCCTG
CCATGCAGTGGGGGAGCCTTGGAAGAACTTCGTGGGCAGTACATTAAAGCTGTAAAAAAA
ATTAAATGTGACATGCTTCGTTATATTCAGGAGAGTAAGGAACGAGCTGCAGAAATGGTA
AAAGCAGAGGTACTGCGAGAACGTCAAGAAACCGCCCGAAAGATGCGCAAATATTATTTG
ATTTGCCTCCAACAGATTTTGCAGGATGATGGAAAAGAAGGGGCTGAGAAAAAGATTATG
AATGCTGCTAGCAAACTTGCTACAATGGCAAAATTACTGGAAACACCTATTTCTAGTAAG
TCCCAAAGCAAAACTACACAGTCAGCACTGCCCCTAACTTCAGAGATGCTGATTGCAGTT
AAAAAATCAAAAAGAAATGATGTGAATCAGAAAATACCATGTTGTATTGAAAGCAAATCA
AATAGTGTAAACACCATCACCAGAACTCTGTGCGAACAAGCTCCCAAGAGGAGGGCAGCT
TGTAACTTACAAAGGCTGTTAGAGAACTCAGAGCATCAGAGCATAAAGCATGTGGGATCC
AAAGAGACACATTTGGAATTCCAGTTTGGGGATGGTAGTTGCAAGCACCTAAACAGTTTG
CCAAGGAATGTTTCTCCTGAGTTTGTTCCTTGTGAAGGTGAAGGAGGCTTTGGTTTGCAC
AAGAAGAAAGACCTACTCAGTGATAATGGTTCTGAATCACTTCCGCATTCAGCTGCATAC
CCCTTTCTTGGAACCTTAGGAAATAAACCCTCACCTAGATGTACCCCTGGTCCTTCTGAA
TCAGGATGCATGCATATAACCTTTCGCGATTCTAATGAAAGACTTGGTTTAAAAGTATAT
AAATGCAATCCACTAATGGAAAGTGAAAATGCTGCATCTGAGAAAAGTCAAGGTTTGGAT
GTTCAGGAACCTCCAGTAAAAGATGGAGGGGACCTTAGTGACTGCTTGGGCTGGCCTTCC
AGCAGTGCAACCTTATCCTTTGACAGTCGTGAAGCATCATTTGTACATGGTAGGCCACAA
GGAACTTTGGAAATACCAAGTGAATCTGTTAAATCCAAACAGTTTTCACCATCCGGTTAT
CTTTCAGATACAGAGGAAAGTAATATGATTTGTCAAACAATGAAATGTCAGCGTTATCAA
ACTCCATACCTGTCAGAAGAAACCACGTATTTGGAGCCAGGAAAGATCAGTGTGAATTGT
GGACACCCATCTCGTCATAAGGCTGATAGATTAAAGTCAGATTTCAAAAAACTGAGCAGT

ACATTACCATCTTCAGTGTGTCAGCAGCCTTCAAGAAAATTAATTGTTCCGCTATCTAGC
CAACAAGATAGTGGCTTTGATAGCCCATTTGTTAATCTAGAC

Restriction Sites:	Please inquire
ACCN:	NM_014985
Insert Size:	5478 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_014985.2, NP_055800.2
RefSeq Size:	5478 bp
RefSeq ORF:	5478 bp
Locus ID:	22995
UniProt ID:	O94986
Cytogenetics:	15q21.1
Gene Summary:	This gene encodes a protein that is thought to be involved with centrosome function. Mutations in this gene have been associated with primary microcephaly (MCPH4). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2010] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. It encodes isoform 2, which is shorter than isoform 1.