

Product datasheet for SC122371

C1orf135 (AUNIP) (BC000209) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf135 (AUNIP) (BC000209) Human Untagged Clone
Tag:	Tag Free
Symbol:	C1orf135
Synonyms:	MGC2603
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC000209 edited

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CTGAGGCGCCGGGAGCCTGCGCCGGCGTCTGCCGGCTTCGTCTCCTCAGCGGCCATGAG
GCGGACAGGCCCGGAGGAGGAGCCTGCGGCGTGTGGCTGGACGCGGCGGCGCTGAAGAG
GCGGAAAGTGCAGACACATTTAATCAAACCAGGCACCAAAATGCTAACACTCCTTCCTGG
AGAAAGAAAGGCTAATATTTATTTTACTCAAAGAAGAGCTCCATCTACAGGCATTACCA
GAGAAGCATTGCTTCCTTCTTCACCTTGCCAGCAGGAAAGACAAATGGCAGTGACCAGAA
GAGTGTTCATCTCATACAGAAAGTCAGATCAACAAAGAGTCCAAGAAAAATGCGACCCA
GCTAGACCATTGATCCCAGGCTTAGCACACGATTGCATGGCATCCCCTTTAGCCACTTC
AACCACTGCAGACATCCAGGAAGCTGGACTCTCTCCTCAGTCCCTCCAGACTTCTGGCCA
CCACAGAAATGAAAACCCATTTTCAACTGAGCTATCTTTGCTCCAGCCTGATACTCCAGA
CTGTGCTGGAGATAGTCATACCCCACTGGCTTTTTCTTCACCGAGGACTTGGAAAGTTC
TTGTTTGCTAGACCGAAAGGAAGAAAAAGGGATTCTGCCAGGAAATGGGAATGGCTTCA
TGAGTCTAAGAAGAACTATCAGAGTATGGAGAAACACACCAAACTACCTGGGGACAAATG
CTGTGAGCCCTTAGGCAAGACTAAATTGGAAAGAAAGGTGTCTGCCAAAGAAAACAGGCA
GGCCCCTGTCTCCTTCAAACATACAGGGAATCCTGGAATGGAGAAAACATAGAATCAGT
GAAACAAAGCCGTAGTCCAGTTTCTGTGTTTTCTGGGACAAATGAAAAGAAATGACAAGGA
CTCCTGGAGTCACTTTTCACTGAAGATTCTCAAGGCCAGCGGTCATTGCCACAACAC
TAGAGCTCCTTTTCAAGATGTAACCAATAACTGGAATTGGGACTTAGGGCCGTTTCCTAA
CAGTCCTTGGGCTCAGTGCCAGGAGGATGGGCCAACTCAAAATCTGAAGCCTGATTGCT
CTTTACCCAGGACTCTGAAGGTAAATCAAGTTATCAGACACCAATTCTAAATGTTTGAAGC
TTTGTTTCTAAAAGTACCTTGAAATGATAGAGATGTAGGAAAATATAGTTGTGGGTGGAG
AGAGGAGTGAGTTGTTTAGGTGGGAAGGTGGCATGGGATGAAGTTGTCATTACTGAGCA
TCTTCTGTGTAAATAAAGGGCAGTACCATTGTTAAAAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC000209 unedited <pre> NNNGGCGTCAGAAATTGTAACGACTCACTAAGGCGGCACGCGAATTCGCACGAGGCTGAG GCGCCGGGAGCCTGCGCCGGCGTCCTGCCGGCTTCGTCTCCTCAGCGGCCATGAGGCGGA CAGGCCCCGAGGAGGAGGCTGCGGCGTGTGGCTGGACGCGGCGGCGCTGAAGAGGCGGA AAGTGCAGACACATTTAATCAAACGAGGACCAAAATGCTAACACTCCTTCCTGGAGAAA GAAAGGCTAATATTTATTTTACTCAAAGAAGAGCTCCATCTACAGGCATTACCCAGAGAA GCATTGCTTCCTTCTTCACCTTGACGCCAGGAAAGACAAATGGCAGTGACCAGAAGAGTG TTTCATCTCATACAGAAAGTCAGATCAACAAAGAGTCCAAGAAAAATGCGACCCAGCTAG ACCATTTGATCCAGGCTTAGCACACGATTGCATGGCATCCCTTTAGCCACTTCAACCA CTGCAGACATCCAGGAAGCTGGACTCTCTCCTCAGTCCCTCCAGACTTCTGGCCACCACA GAATGAAAACCCATTTTCAACTGAGCTATCTTTGCTCCAGCCTGATACTCCAGACTGTG CTGGAGATAGTCATACCCCACTGGCTTTTTCTTCACCGAGGACTTGGAAAGTTCTTGTT TGCTAGACCGAAAGGAAGAAAAAGGGATTCTGCCAGGAAATGGGAATGGCTTCATGAGT CTAAGAAGACTATCAGAGTATGGAGAAACACACCANACTACCTGGGGACCAATGCTGTCA GCCCTTAGCAAGACTAAATGGNAAGAAGGTGTCTGCCNAAGAAACAGCANGGCCCTGTN CTNCTTCAACATACAGGGAATNCTGGNATGGAGAAACATAGNATCAGTGAAACAAGCCGT G </pre>
Restriction Sites:	Please inquire
ACCN:	BC000209
Insert Size:	1313 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:	BC000209.1 , AAH00209.1
RefSeq Size:	1313 bp
Locus ID:	79000
Cytogenetics:	1p36.11

Gene Summary:

DNA-binding protein that accumulates at DNA double-strand breaks (DSBs) following DNA damage and promotes DNA resection and homologous recombination (PubMed:29042561). Serves as a sensor of DNA damage: binds DNA with a strong preference for DNA substrates that mimic structures generated at stalled replication forks, and anchors RBBP8/CtIP to DSB sites to promote DNA end resection and ensuing homologous recombination repair (PubMed:29042561). Inhibits non-homologous end joining (NHEJ) (PubMed:29042561). Required for the dynamic movement of AURKA at the centrosomes and spindle apparatus during the cell cycle (PubMed:20596670).[UniProtKB/Swiss-Prot Function]