

Product datasheet for SC315219

CEP135 (NM_025009) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP135 (NM_025009) Human Untagged Clone
Tag:	Tag Free
Symbol:	CEP135
Synonyms:	CEP4; KIAA0635; MCPH8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315219 representing NM_025009. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGACTACAGCTGTAGAGAGAAAGTATATTAATATTAGGAAAAGGCTGGATCAGCTGGGATACCGCCAG
 ACTCTGACAGTGGAGTGTACCTTTGGTAGAAAACTTTTCAGCGACTTAGTTCATACAACTGAGAGC
 CTTGCGCAATCAAAATTATCTGCTGTGAAAGCTGAAAAAGAAAGTGCCAATTTTGATTTTGTGGAA
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GAACCTCAGCGTATGCTAGAAAGATTTGAAAAATATATGGAAGATATACAGTCCAATGTTAAATTATTG
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CTTCGAGAAAGAGTGGAGCTATTAGAAAAAGAAATTCAGAGCACATAAATGCCCATCATGCTTATGAA
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TTGTTGGCTACAAACAGAGATAAAGAATTTCACTTCACTTAACCTCCACGAGAAGGATACAGAAATC
CAGCTACTTAAGGAGAAGTTAACCTTTCTGAAAGCAAATTAAGTCAAGGCCGGGAAAAACCATG
CTTCGAGCTAAAGTGGCAGATTACAAACAGATTATGATGCTCTGAAAAGGCAGATCTCAACTGAAAGA
TACGAACGAGAACGAGCAATCCAAGAGATGCGTCGACATGGTCTTGCTACACCACCCCTTAGTTCCACT
CTGAGGTCTCCTTCACATTCTCCTGAACATAGAAATGTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_025009
Insert Size:	3423 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:	<u>NM_025009.4</u>
RefSeq Size:	5760 bp
RefSeq ORF:	3423 bp
Locus ID:	9662
UniProt ID:	<u>Q66GS9</u>
Cytogenetics:	4q12
MW:	133.5 kDa
Gene Summary:	This gene encodes a centrosomal protein, which acts as a scaffolding protein during early centriole biogenesis, and is also required for centriole-centriole cohesion during interphase. Mutations in this gene are associated with autosomal recessive primary microcephaly-8. [provided by RefSeq, Jun 2012]