

Product datasheet for RC224008

CEP135 (NM_025009) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CEP135 (NM_025009) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CEP135
Synonyms:	CEP4; KIAA0635; MCPH8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224008 representing NM_025009 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTACAGCTGTAGAGAGAAAGTATATTAATATTAGGAAAAGGCTGGATCAGCTGGGATACCGCCAGA
CTCTGACAGTGGAGTGTTACCTTTGGTAGAAAACTTTTCAGCGACTTAGTTCATACAACTGAGAGCCT
TCGGCAATCAAAATTATCTGCTGTGAAAGCTGAAAAGAAAGTGCCAATTTTGATTTTGTGGAAACCC
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GAAATTTCTGAATAACCAATATGCTCATAACTCAAAGTGGAGAAAGAGCAAAAGCTAAGAATGAA
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AAGGGTGATTACAATTCAGAAATTCATCAGATCACAAGAGAAAGAGATGAACTTCAGCGTATGCTAGAAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224008 representing NM_025009
Red=Cloning site Green=Tags(s)

MTTAVERKYINIRKRLDQLGYRQTLTVECLPLVEKLFSDLVHTTESLRQSKLSAVKAEKESANFDFVLEP
 YKLENARLSRENNELYLEMLKLRHSDQHVKELKTSKKCARETADLKFLNNQYAHKLLLEKESKAKNE
 RIQQQLQEKNLHAVVQTPGGKKRSIAFRQRMQIDEPVPPSEVSSYPVPQDDPYIADLLQVADNRIQELQ
 QQANKDLEKRIELMETKETVTSEVVNLSNKNEKLCQELTEIDQLAQQLERHKEEVLETADKELGEAKKE
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 VLMKETIESLENKLVQAQKFSHVAGDSSHQKTEVNSLRIVNEQLQRSVDDYQHRLSIKRGESAAQ
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 LLSIDTERRHLRERVELLEKEIQEHINAHHAYESQISSMAKAMSRL EEELRHQEDEKATVLNDLSSLREL
 CIKLDGSKDQQLNSKNLEFERVVVLEENVKSESDLLKQLSNERHTVKNLESLLATNRDKEFHSLT
 SHEKDEIQLLKEKLTLESKLSQSRENTMLRAKVAQLQTDYDALKRQISTERYERERAIQEMRRHGLA
 TPPLSSTLRSPSHSPEHRNV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8101_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

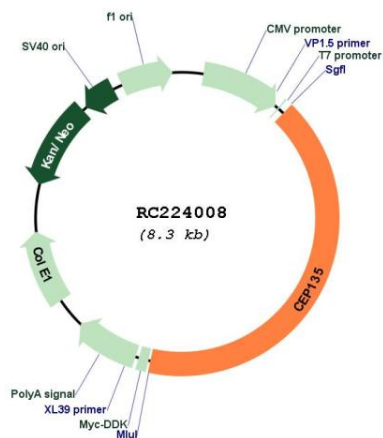


ACCN: NM_025009

ORF Size: 3420 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_025009.5
RefSeq Size:	5760 bp
RefSeq ORF:	3423 bp
Locus ID:	9662
UniProt ID:	Q66GS9
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]

Product images:



Circular map for RC224008