

Product datasheet for RC229976L4

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CCM2 (NM_001167934) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CCM2 (NM_001167934) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: CCM2

Synonyms: C7orf22; OSM; PP10187

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Sgfl-Mlul

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC229976).

Sequence:

Cloning Scheme:

Restriction Sites:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001167934

ORF Size: 1158 bp





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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: 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 001167934.1</u>, <u>NP 001161406.1</u>

RefSeq ORF: 1161 bp Locus ID: 83605 UniProt ID: Q9BSQ5

Cytogenetics: 7p13

MW: 42.5 kDa

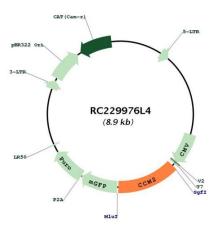
Gene Summary: This gene encodes a scaffold protein that functions in the stress-activated p38 Mitogen-

activated protein kinase (MAPK) signaling cascade. The protein interacts with SMAD specific E3 ubiquitin protein ligase 1 (also known as SMURF1) via a phosphotyrosine binding domain to promote RhoA degradation. The protein is required for normal cytoskeletal structure, cell-cell interactions, and lumen formation in endothelial cells. Mutations in this gene result in cerebral cavernous malformations. Multiple transcript variants encoding different isoforms

have been found for this gene. [provided by RefSeq, Nov 2009]



Product images:



Circular map for RC229976L4