

Product datasheet for RC215547

KIAA1199 (CEMIP) (NM_018689) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | KIAA1199 (CEMIP) (NM_018689) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | KIAA1199 |
| Synonyms: | CCSP1; HYBID; KIAA1199; TMEM2L |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC215547 representing NM_018689. Blue=ORF Red=Cloning site Green=Tag(s) |

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Protein Sequence: >Peptide sequence encoded by RC215547
 Blue=ORF Red=Cloning site Green=Tag(s)

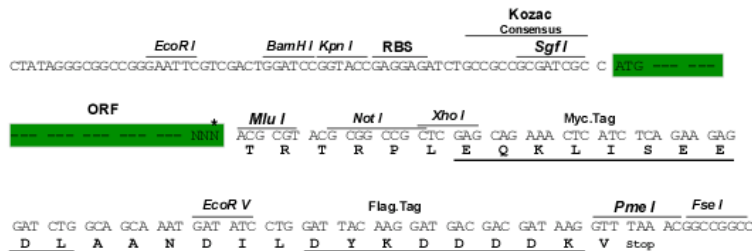
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 VSDCTATAYPKFTERAVDVVMPKKLFGSQLKTKDHFLEVKMESSKHQHFHFLWDFAYIEVDGKKYPSS
 EDGIQVVVIDGNQGRVVSHTSFRNSILQIGIPWQLFNYVATIPDNSIVLMASKGRVYSRGPWTRVLEKLG
 ADRGLKLEQMAFVGFKGSFRPIWVTLDTEDHKAKIFQVVPVIVVKKKKL
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_018689

ORF Size: 4083 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: [NM_018689.3](#)

RefSeq Size: 7080 bp

RefSeq ORF: 4086 bp

Locus ID: 57214

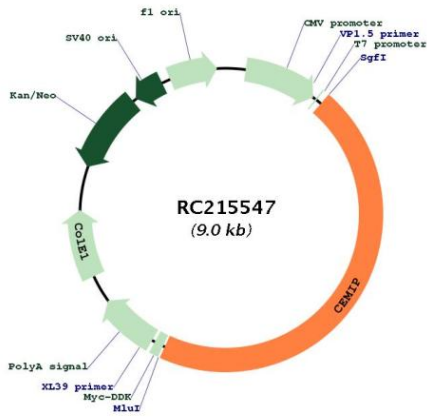
UniProt ID: [Q8WUJ3](#)

Cytogenetics: 15q25.1

MW: 153 kDa

Gene Summary: Mediates depolymerization of hyaluronic acid (HA) via the cell membrane-associated clathrin-coated pit endocytic pathway. Binds to hyaluronic acid. Hydrolyzes high molecular weight hyaluronic acid to produce an intermediate-sized product, a process that may occur through rapid vesicle endocytosis and recycling without intracytoplasmic accumulation or digestion in lysosomes. Involved in hyaluronan catabolism in the dermis of the skin and arthritic synovium. Positively regulates epithelial-mesenchymal transition (EMT), and hence tumor cell growth, invasion and cancer dissemination. In collaboration with HSPA5/BIP, promotes cancer cell migration in a calcium and PKC-dependent manner. May be involved in hearing. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC215547