

## Product datasheet for **RG240123**

### KIAA1199 (CEMIP) (NM\_001293298) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KIAA1199 (CEMIP) (NM_001293298) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CEMIP
Synonyms:	CCSP1; HYBID; KIAA1199; TMEM2L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG240123 representing NM_001293298. Blue=ORF Red=Cloning site Green=Tag(s)

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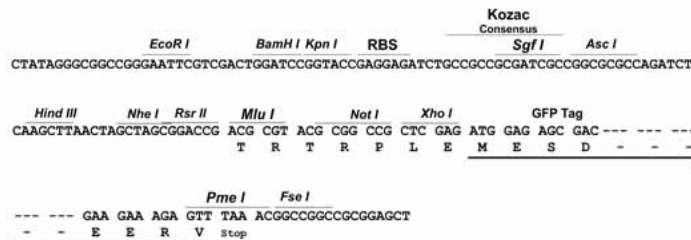
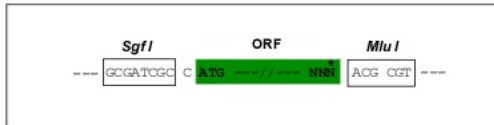
**Protein Sequence:** >Peptide sequence encoded by RG240123  
 Blue=ORF Red=Cloning site Green=Tag(s)

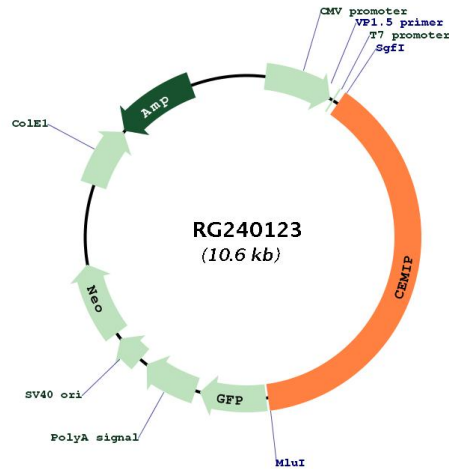
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**Plasmid Map:**


**ACCN:** NM\_001293298

**ORF Size:** 4083 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).

**RefSeq:** [NM\\_001293298.2](#)

**RefSeq Size:** 7287 bp

**RefSeq ORF:** 4086 bp

**Locus ID:** 57214

**UniProt ID:** [Q8WUJ3](#)

**Cytogenetics:** 15q25.1

**MW:** 153.4 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]