

## Product datasheet for RC224793

### CEMIP2 (NM\_013390) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CEMIP2 (NM\_013390) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** CEMIP2  
**Synonyms:** TMEM2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC224793 representing NM\_013390  
 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:** >RC224793 representing NM\_013390  
Red=Cloning site Green=Tags(s)

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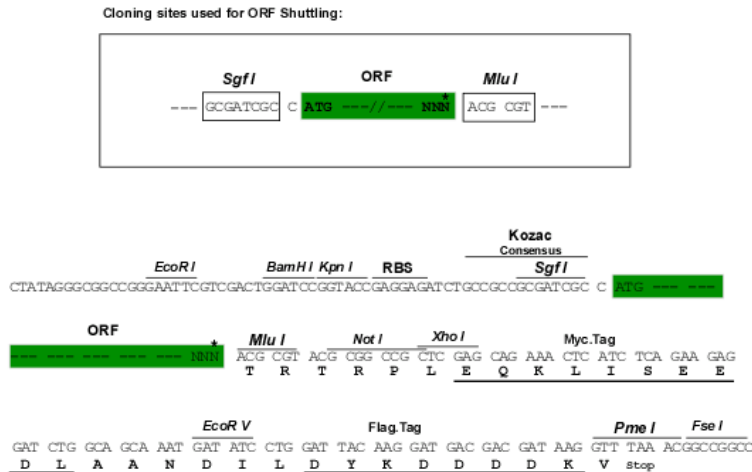
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```

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**Chromatograms:** [https://cdn.origene.com/chromatograms/mg4609\\_h05.zip](https://cdn.origene.com/chromatograms/mg4609_h05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



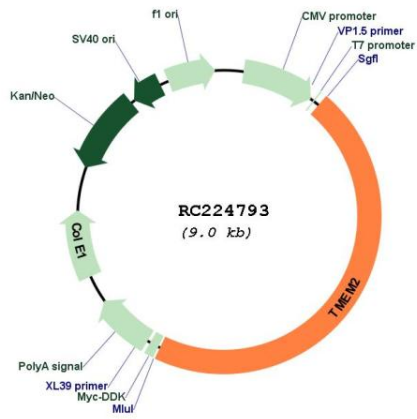
\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_013390

**ORF Size:** 4149 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_013390.3</a>
<b>RefSeq Size:</b>	6147 bp
<b>RefSeq ORF:</b>	4152 bp
<b>Locus ID:</b>	23670
<b>UniProt ID:</b>	<a href="#">Q9UHN6</a>
<b>Cytogenetics:</b>	9q21.13
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	154.2 kDa
<b>Gene Summary:</b>	This gene encodes a type II transmembrane protein that belongs to the interferon-induced transmembrane (IFITM) protein superfamily. The encoded protein functions as a cell surface hyaluronidase that cleaves extracellular high molecular weight hyaluronan into intermediate size fragments before internalization and degradation in the lysosome. It also has an interferon-mediated antiviral function in humans through activation of the JAK STAT signaling pathway. The activation of this gene by transcription factor SOX4 in breast cancer cells has been shown to mediate the pathological effects of SOX4 on cancer progression. Naturally occurring mutations in this gene are associated with autosomal recessive non-syndromic hearing loss. [provided by RefSeq, Mar 2017]

Product images:



Circular map for RC224793