

**Specifications:**

Gene:	hCEMIP2
Accession:	NP_037522
Insert size:	4165bp
Concentration:	10µg at 0.2µg/µL

**Description**

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

**Preparation and Storage**

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

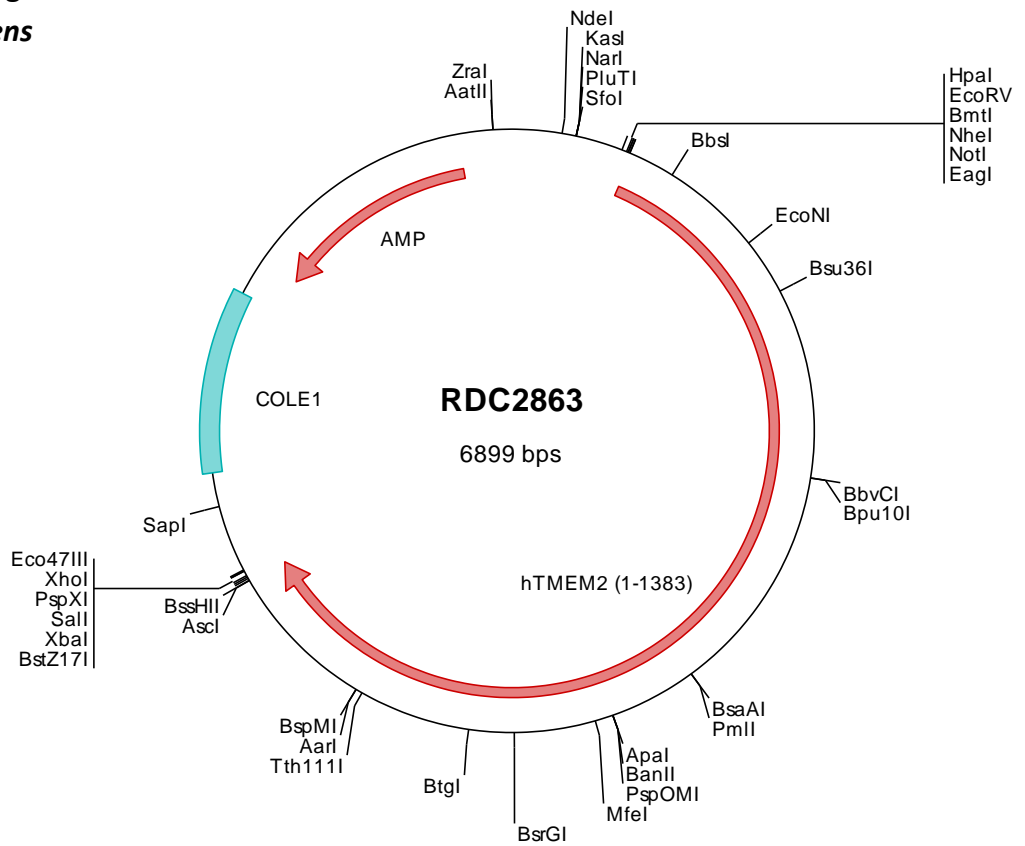
**hTMEM2 cDNA Plasmid**

**CEMIP2 cell migration inducing hyaluronidase 2 [ *Homo sapiens* (human) ]**

**Also known as:** TMEM2

**Summary:**

TMEM2 is a type II transmembrane protein that belongs to the interferon-induced transmembrane (IFITM) protein superfamily. It 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 TMEM2 by transcription factor SOX4 in breast cancer cells has been shown to mediate the pathological effects of SOX4 on cancer progression.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC2863 Plasmid DNA Sequence

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> RDC2863 Translated Insert Sequence

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