

Specifications:

Gene:	hCMTM7
Accession:	NP_612419.1
Insert size:	541bp
Concentration:	10µg at 0.2µg/µL

hCMTM7 cDNA Plasmid

CMTM7 CKLF like MARVEL transmembrane domain containing 7 [*Homo sapiens* (human)]

Also known as: CKLFSF7

Summary:

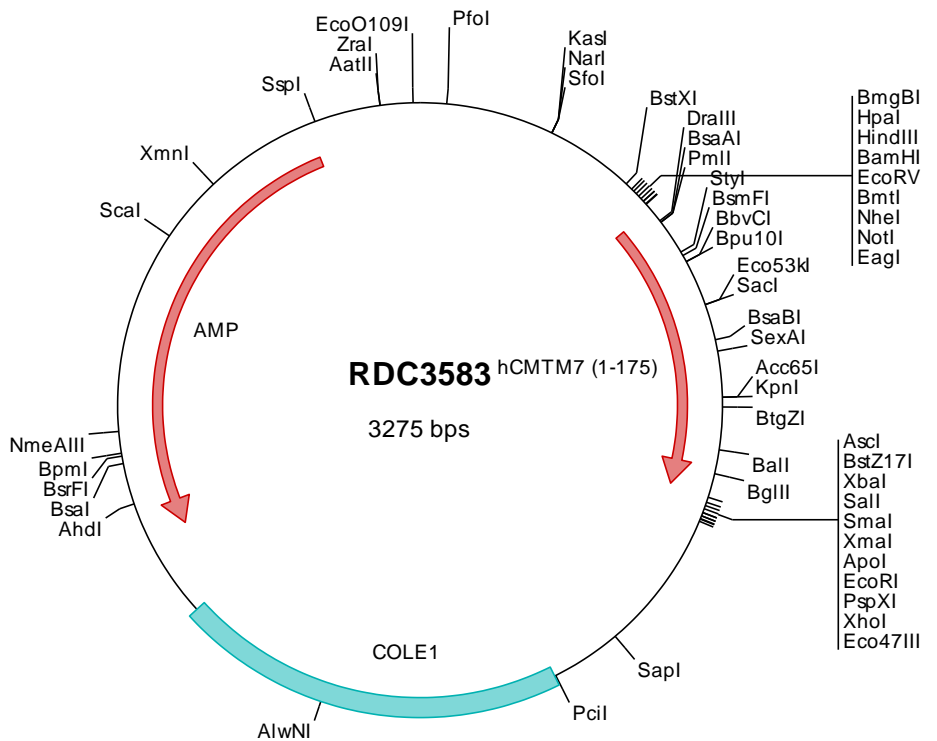
CMTM7 belongs to the chemokine-like factor gene superfamily, a novel family that is similar to the chemokine and transmembrane 4 superfamilies. CMTM7 is one of several chemokine-like factor genes located in a cluster on chromosome 3. CMTM7 acts as a tumor suppressor that regulates G1/S transition in the cell cycle, and epidermal growth factor receptor/protein kinase B signaling during tumor pathogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC3583 Plasmid DNA Sequence

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1 tcgctgctgtt cggatgatgac ggtgaaaacc totgacacat gcagctcccc gagacgggtca cagcttgtct gtaagcggat gccggggagca gacaagcccc
101 tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta otgagagtgc accatatgcg gtgtgaaata
201 ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctcgcg aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 tacgcccagct ggcgaaaagg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgtcgacg gagccggact cgtccgcaacc acgtgcagca gggcagcgc
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> RDC3583 Translated Insert Sequence

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1 mshgaglvrt tcssgsalgp gagaqpsas pleglldlsl prthaallkv agmvtlliaf icvrsslwtn ysaysyfevv ticdlimila fylvhlfrfy
101 rvltcswpl sellhyligt llliasiva asksynqsgl vagaiqfma tflcmasiwl sykiscvtqs tdaav

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