

Product datasheet for **SC336340**

CD105 (ENG) (NM_001278138) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD105 (ENG) (NM_001278138) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENG
Synonyms:	END; HHT1; ORW1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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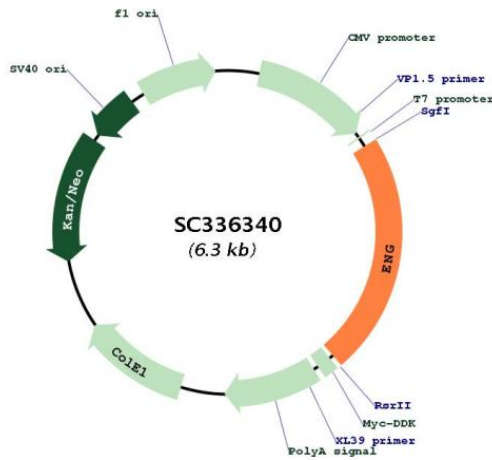
Fully Sequenced ORF: >SC336340 representing NM_001278138.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGAAGCCAGCCAGGACATGGGCCGCACGCTCGAGTGGCGCCCGCTACTCCAGCCTTGGTCCGG
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GCCGGGCCCGGACGGTACGGTGAAGGTGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGT
ATCCTGCAGGGTCCCCCTACGTGTCCTGGCTCATCGACGCCAACCAACATGCAGATCTGGACCACT
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ATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
  
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Restriction Sites: SgfI-RsrII

Plasmid Map:



ACCN: NM_001278138

Insert Size: 1431 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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_001278138.1
RefSeq Size:	2817 bp
RefSeq ORF:	1431 bp
Locus ID:	2022
UniProt ID:	P17813
Cytogenetics:	9q34.11
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
MW:	51.1 kDa
Gene Summary:	<p>This gene encodes a homodimeric transmembrane protein which is a major glycoprotein of the vascular endothelium. This protein is a component of the transforming growth factor beta receptor complex and it binds to the beta1 and beta3 peptides with high affinity. Mutations in this gene cause hereditary hemorrhagic telangiectasia, also known as Osler-Rendu-Weber syndrome 1, an autosomal dominant multisystemic vascular dysplasia. This gene may also be involved in preeclampsia and several types of cancer. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2013]</p> <p>Transcript Variant: This variant (3) contains a distinct 5' UTR, lacks a portion of the 5' coding region, and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (3) has a shorter N-terminus, compared to isoform 1.</p>