

## Product datasheet for **SC328328**

### Endothelin 1 (EDN1) (NM\_001168319) Human Untagged Clone

#### Product data:

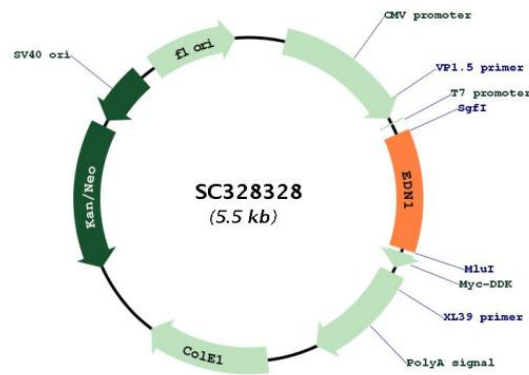
Product Type:	Expression Plasmids
Product Name:	Endothelin 1 (EDN1) (NM_001168319) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDN1
Synonyms:	ARCND3; ET1; HDLCQ7; PPET1; QME
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328328 representing NM_001168319. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGATTATTTGCTCATGATTTTCTCTCTGCTGTTTGTGGCTTGCCAAGGAGCTCCAGAAACAGTCTTA
GGCGCTGAGCTCAGCGCGGTGGGTGAGAACGGCGGGGAGAAACCACTCCCAGTCCACCCTGGCGGCTC
CGCCGGTCCAAGCGTCTCCTGCTCGTCCCTGATGGATAAAGAGTGTGTCTACTTCTGCCACCTGGAC
ATCATTGGGTCAACACTCCCGAGCACGTTGTTCCGTATGGACTTGAAGCCCTAGGTCCAAGAGAGCC
TTGGAGAATTTACTTCCACAAAGGCAACAGACCGTGAAAATAGATGCCAATGTGCTAGCCAAAAAGAC
AAGAAGTCTGGAATTTTGGCAAGCAGGAAAAGAACTCAGGGCTGAAGACATTATGGAGAAAGACTGG
AATAATCATAAGAAAGGAAAAGACTGTTCCAAGCTTGGGAAAAAGTGTATTTATCAGCAGTTAGTGAGA
GGAAGAAAAATCAGAAGAAGTTCAGAGGAACACCTAAGACAAACAGGTGGGAGACCATGAGAAAACAGC
GTCAAATCATTTTTATGATCCCAAGCTGAAAGGCAAGCCCTCCAGAGAGCGTTATGTGACCCACAAC
CGAGCACATTGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001168319

**Insert Size:** 636 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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:**

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\\_001168319.1](#)

RefSeq Size:	2109 bp
RefSeq ORF:	636 bp
Locus ID:	1906
UniProt ID:	<a href="#">P05305</a>
Cytogenetics:	6p24.1
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Melanogenesis
MW:	24.4 kDa
Gene Summary:	<p>This gene encodes a preproprotein that is proteolytically processed to generate a secreted peptide that belongs to the endothelin/sarafotoxin family. This peptide is a potent vasoconstrictor and its cognate receptors are therapeutic targets in the treatment of pulmonary arterial hypertension. Aberrant expression of this gene may promote tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site at the 5' end of an exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is 1 aa shorter compared to isoform 1.</p>