

## Product datasheet for **SC333925**

### Endothelin 2 (EDN2) (NM\_001302269) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Endothelin 2 (EDN2) (NM_001302269) Human Untagged Clone
Tag:	Tag Free
Symbol:	Endothelin 2
Synonyms:	ET-2; ET2; PPET2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC333925 representing NM_001302269. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC
ATGGTCTCCGTGCCTACCACCTGGTGCTCCGTTGCGCTAGCCCTGCTCGTGGCCCTGCATGAAGGGAAG
GGCCAGGCTGCTGCCACCCTGGAGCAGCCAGCGTCCTCATCTCATGCCCAAGGCACCCACCTTCGGCTT
CGCCGTTGCTCCTGCAGCTCCTGGCTCGACAAGGAGTGCGTCTACTTCTGCCACTTGACATCATCTGG
GTGAACACTCCTGAACAGACAGCTCCTACGGCCTGGGAAACCCGCCAAGACGCCGGCGCCGCTCCCTG
CCAAGGCGCTGTCAGTGCTCCAGTGCCAGGACCCCGCCTGTGCCACCTTCTGCCTCGAAGGCCCTGG
GACATTTCCACAGTCAAGAGCCTTTTGCCAAGCGACAACAGGAGCCATGCGGGAGCCTCGGTCCACA
CATTCCAGGTGGAGGAAGAGATAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001302269
Insert Size:	438 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:**

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\\_001302269.1](#)

**RefSeq Size:** 1168 bp

**RefSeq ORF:** 438 bp

**Locus ID:** 1907

**UniProt ID:** [P20800](#)

**Cytogenetics:** 1p34.2

**Protein Families:** Druggable Genome, Secreted Protein

**MW:** 16.5 kDa

**Gene Summary:** This gene encodes a member of the endothelin protein family of secretory vasoconstrictive peptides. The preproprotein is processed to a short mature form which functions as a ligand for the endothelin receptors that initiate intracellular signaling events. This gene product is involved in a wide range of biological processes, such as hypertension and ovulation. Altered expression of this gene is implicated in tumorigenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]  
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.