

## Product datasheet for SC126372

### Endothelin 2 (EDN2) (NM\_001956) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Endothelin 2 (EDN2) (NM_001956) Human Untagged Clone
Tag:	Tag Free
Symbol:	Endothelin 2
Synonyms:	ET-2; ET2; PPET2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001956 edited  
 CCAGCCTGCGCGCTCCACCGCCGCTATGGTCTCCGTGCCTACCACCTGGTGTCCGTTGC  
 GCTAGCCCTGCTCGTGGCCCTGCATGAAGGGAAGGGCCAGGCTGCTGCCACCCTGGAGCA  
 GCCAGCGTCCTCATCTCATGCCCCAAGGCACCCACCTTCGGCTTCGCCGTTGCTCCTGCAG  
 CTCTGGCTCGACAAGGAGTGCCTACTTCTGCCACTTGGACATCATCTGGGTGAACAC  
 TCCTGAACAGACAGCTCCTTACGGCCTGGGAAACCCGCCAAGACGCCGGCGCCGCTCCCT  
 GCCAAGGCGCTGTCAAGTCCAGTCCAGTCCAGGGACCCCGCCTGTGCCACCTTCTGCCTTCG  
 AAGGCCCTGGACTGAAGCCGGGGCAGTCCCAAGCCGGAAGTCCCCTGCAGACGTGTTCCA  
 GACTGGCAAGACAGGGGCCACTACAGGAGAGCTTCTCAAAGGCTGAGGGACATTTCCAC  
 AGTCAAGAGCCTCTTTGCCAAGCGACAACAGGAGGCCATGCGGGAGCCTCGGTCCACACA  
 TTCCAGGTGGAGGAAGAGATAGTGTCTGAGCTGGAGGAACATTGGGAAGGAAGCCCGCG  
 GGGAGAGAGGAGGAGAGAAGTGGCCAGGGCTTGTGGACTCTCTGCCTGTTCCTGGACCG  
 GGGCCTTGGTCCCAGACAGCTGGACCCATTTGCCAGGATTGGCACAAGCTCCCTGGTGAG  
 GGAGCCTCGTCCAAGGCAGTTCTGTGTCTCGCACTGCCAGGGAAGCCCTCGGCCTCCA  
 GACTGCGGAGCAGCCTCCAGTGTGGCTGCTGGCCACAGCTCTGCTGGAAGAATGCAT  
 GGGGAGTACATTCATCTGGAGGCTGCGTCTGAGGAGTGTCTGTCTGCTGGGCTACAAA  
 CCAGGAGCAACCGTGCAGCCACGAACACGCATGCCTCAGCCAGCCCTGGAGGCTGGATGG  
 CTCCCCTGAGGCTGGCATCCTGGCTGGCTGTGTCTCTCCAGCTTCCCTCCCCAGAGTT  
 CTTGCACCCTCATTCCCTCGGGACCCCTCCAGTGAGAAGGGCTGCTCTGTCTTTTCTGT  
 CTGTATATAACTTATTTGCCCTAAGAAGTGGAGAAATCCCAATTTATTTTAAATGAT  
 TTTTGTAGACCCTTATTTACCTGCGAACTTGTGTTTATAATAAATGAGGAAACATAAAAA  
 AA  
 AA



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_001956 unedited GGCGTCACATTTGTAAACGACTTACTATAGGCGGCCGCGCAATCAAATCTGGTACCGGTC CGGAATCCCAGGATCCAGCCTGCGCGCTCCACCGCCGCTATGGTCTCCGTGCCTACCAC CTGGTGTCCGTTGCGCTAGCCCTGCTCGTGGCCCTGCATGAAGGGAAGGGCCAGGCTGC TGCCACCCTGGAGCAGCCAGCGTCTCATCTCATGCCAAGGCACCCACCTTCGGCTTCG CCGTTGCTCCTGCAGCTCCTGGCTCGACAAGGAGTGCCTACTTCTGCCACTTGGACAT CATCTGGGTGAACACTCCTGAACAGACAGCTCCTTACGGCCTGGGAAACCCGCCAAGACG CCGGCGCCGCTCCCTGCCAAGGCCTGTCAAGTGTCCAGTGCCAGGGACCCCGCCTGTGC CACCTTCTGCCTTCAAGGCCCTGGACTGAAGCCGGGGCAGTCCCAAGCCGGAAGTCCCC TGCAGACGTGTTCCAGACTGGCAAGACAGGGGCCACTACAGGAGAGCTTCTCAAAGGCT GAGGGACATTTCCACAGTCAAGAGCCTCTTTGCCAAGCGACAACAGGAGGCCATGCGGGA GCCTCGGTCCACACATTCAGGTGGAGGAAGAGATAGTGTCTGTGAGCTGGAGGAACATTG GGAAGGAAGCCCGCGGGAGAGAGGAGGAGAAGAGTGGCCAGGGCTTGTGGACTCTCTGC CTGCTTCTGGACCGGCCTTGGTCCCAGACAGCTGGACCCATTTGCCAGGATTGGCACA AGCTCCCTGGTGAGGGAGCCTCGTCCAANGCAGNTCTGTGTCTCGCACTGCCAGGAAG CCCTCGCCTCCAGACGNGGAGCAGCCTNCATGCTGGCTGTGGCCCAAGC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_001956
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001956.2</a> , <a href="#">NP_001947.1</a>
<b>RefSeq Size:</b>	1296 bp
<b>RefSeq ORF:</b>	537 bp
<b>Locus ID:</b>	1907
<b>UniProt ID:</b>	<a href="#">P20800</a>
<b>Cytogenetics:</b>	1p34.2
<b>Protein Families:</b>	Druggable Genome, Secreted Protein

**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 (1) represents the longest transcript and encodes the longer isoform (1).