

## Product datasheet for **SC330390**

### Endothelin A Receptor (EDNRA) (NM\_001256283) Human Untagged Clone

#### Product data:

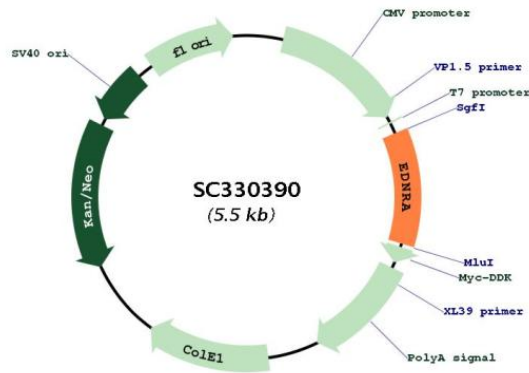
Product Type:	Expression Plasmids
Product Name:	Endothelin A Receptor (EDNRA) (NM_001256283) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDNRA
Synonyms:	ET-A; ETA; ETA-R; ETAR; ETRA; hET-AR
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330390 representing NM_001256283. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTACCCCTTTGAATATAGGGGTGAACAGCATAAAACCTGTATGCTCAATGCCACATCAAATTCATG
GAGTTCTACCAAGATGTAAGGACTGGTGGCTCTCGGGTTCTATTTCTGTATGCCCTTGGTGTGCACT
GCGATCTTCTACACCCTCATGACTTGTGAGATGTTGAACAGAAGGAATGGCAGCTTGAGAATTGCCCTC
AGTGAACATCTTAAGCAGCGTCGAGAAGTGGCAAAAACAGTTTTCTGCTTGGTTGTAATTTTTGCTCTT
TGCTGGTCCCTCTTCATTTAAGCCGTATATTGAAGAAAACCTGTGTATAACGAGATGGACAAGAACCGA
TGTGAATTACTTAGTTTCTTACTGCTCATGGATTACATCGGTATTAACCTGGCAACCATGAATTCATGT
ATAAACCCCATAGCTCTGTATTTGTGAGCAAGAAATTTAAAAATTGTTCCAGTCATGCCTCTGCTGC
TGCTGTTACCAGTCCAAAAGTCTGATGACCTCGGTCCCATGAACGGAACAAGCATCCAGTGGGAAGAAC
CACGATCAAAACAACCACAACACAGACCGGAGCAGCCATAAAGGACAGCATGAACTGA
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001256283

**Insert Size:** 609 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).

<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_001256283.1</a>
<b>RefSeq Size:</b>	3678 bp
<b>RefSeq ORF:</b>	609 bp
<b>Locus ID:</b>	1909
<b>UniProt ID:</b>	<a href="#">P25101</a>
<b>Cytogenetics:</b>	4q31.22-q31.23
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction
<b>MW:</b>	23.8 kDa
<b>Gene Summary:</b>	<p>This gene encodes the receptor for endothelin-1, a peptide that plays a role in potent and long-lasting vasoconstriction. This receptor associates with guanine-nucleotide-binding (G) proteins, and this coupling activates a phosphatidylinositol-calcium second messenger system. Polymorphisms in this gene have been linked to migraine headache resistance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (3) lacks a portion of the 5' UTR and 5' coding region, and uses a downstream start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a.</p>