

Product datasheet for SC326886

Endothelin A Receptor (EDNRA) (NM_001166055) Human Untagged Clone

Product data:

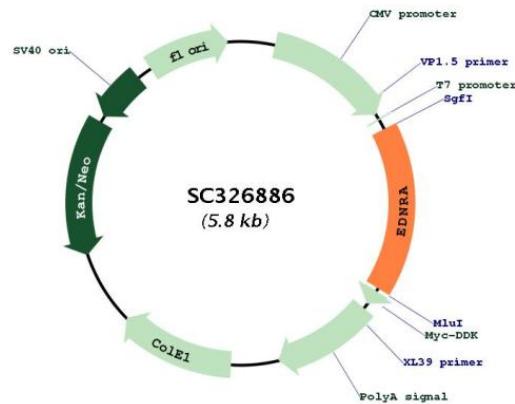
Product Type:	Expression Plasmids
Product Name:	Endothelin A Receptor (EDNRA) (NM_001166055) Human Untagged Clone
Tag:	Tag Free
Symbol:	EDNRA
Synonyms:	ET-A; ETA; ETA-R; ETAR; ETRA; hET-AR; MFDA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326886 representing NM_001166055. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGAAACCCTTTGCCTCAGGGCATCCTTTTGGCTGGCACTGGTTGGATGTGTAATCAGTGATAATCCT
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TGCTGCTGTTACCAGTCCAAAAGTCTGATGACCTCGGTCCCATGAACGGAACAAGCATCCAGTGGAAAG
AACCCAGATCAAACAACCAACACAGACCCGGAGCAGCCATAAGGACAGCATGAACTGA
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TACAAGGATGACGACGATAAGGTTTAAACGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001166055

Insert Size: 957 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_001166055.1](#)

RefSeq Size: 3841 bp

RefSeq ORF: 957 bp

Locus ID:	1909
UniProt ID:	P25101
Cytogenetics:	4q31.22-q31.23
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction, Vascular smooth muscle contraction
MW:	36.5 kDa

Gene Summary: 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]
Transcript Variant: This variant (2, also known as ET-ARdelta3,4) lacks two alternate exons, resulting in the loss of an in-frame segment of the central coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.