

Product datasheet for SC336030

Estrogen Related Receptor alpha (ESRRA) (NM_001282451) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Estrogen Related Receptor alpha (ESRRA) (NM_001282451) Human Untagged Clone
Tag:	Tag Free
Symbol:	ESRRA
Synonyms:	ERR1; ERRa; ERRalpha; ESRL1; NR3B1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC336030 representing NM_001282451. Blue=Insert sequence Red=Cloning site Green=Tag(s)

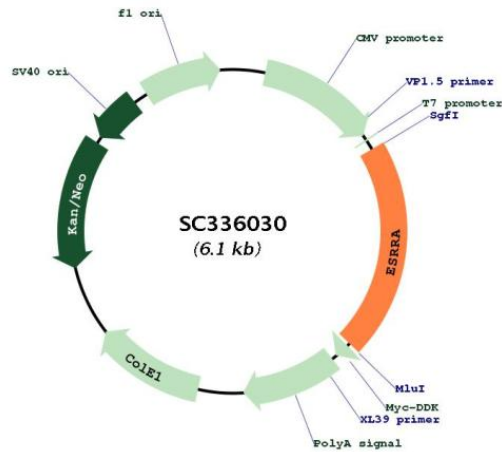
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TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001282451

Insert Size: 1269 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_001282451.1](#)

RefSeq Size: 2281 bp

RefSeq ORF: 1269 bp

Locus ID: 2101

UniProt ID: [P11474](#)

Cytogenetics: 11q13.1

Protein Families: Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

MW: 45.4 kDa

Gene Summary: The protein encoded by this gene is a nuclear receptor that is most closely related to the estrogen receptor. This protein acts as a site-specific transcription factor and interacts with members of the PGC-1 family of transcription cofactors to regulate the expression of most genes involved in cellular energy production as well as in the process of mitochondrial biogenesis. A processed pseudogene of ESRRA is located on chromosome 13q12.1. [provided by RefSeq, Jun 2019]
Transcript Variant: This variant (3) has an alternate splice site in the coding region, compared to variant 1. The resulting isoform (2) lacks an internal amino acid, compared to isoform 1.