

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004451 unedited GGTTCANCAATTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGGCGGCGCG GTGGGGCGGCGCGGCCCGAGGAGGCGGCGGAGGAGGGCCGCCCGGCCCGCCCGGCTCAC TCCGGCACTCCGGGCGCTCGGCCCCCATGCCTGCCCCGACCGCGTGCCGGAGCCCCAGG TGACCAGCGCCATGTCCAGCCAGGTGGTGGCATTGAGCCTCTCTACATCAAGGCAGAGC CGGCCAGCCCTGACAGTCAAAGGGTTCTCGGAGACAGAGACCGAGCCTCCTGTGGCCC TGGCCCTGGTCCAGCTCCCACTCGCTGCCTCCCAGGCCACAAGGAAGAGGAGGATGGGG AGGGGGCTGGCCCTGGCGAGCAGGGCGGTGGGAAGCTGGTGCTCAGCTCCCTGCCAAGC GCCTCTGCCTGGTCTGTGGGGACGTGGCCCTCCGGCTACCACTATGGTGTGGCATCCTGTG AGGCCTGCAAAGCCTTCTTCAAGAGGACCATCCAGGGGAGCATCGAGTACAGCTGTCCGG CCTCCAACGAGTGTGAGATCACCAAGCGGAGACGCAAGGCCTGCCAGGCCTGCCGTTCA CCAAGTGCCTGCGGGTGGGCATGCTCAACGAGGGAGTGCCTGGACCGCGTCCGGGGTG GGCGGCAGAAGTACAAGCGGCGGCCGAGGTGGACCCACTGCCCTTCCCGGGCCCTTCC CTGCTGGGCCCCTGGCAGTCGCTGGAGGCCCGGAAGAAGCAGCCCCAGTGAATGCACT GGTGTCTCATCTGCTGGTGGTTGAGCCTGAGAAGCTCTATGCATGCCTGACCCGCAAGCC TGATGGGCCCTCCAGCCGGGGTACCCTTGTGACCTTTGCCAGAGAATGTGGGCACATCA CTGGGCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_004451
Insert Size:	2300 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	<ol style="list-style-type: none"> 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_004451.3 , NP_004442.3
RefSeq Size:	2221 bp

RefSeq ORF:	1272 bp
Locus ID:	2101
UniProt ID:	P11474
Cytogenetics:	11q13.1
Domains:	HOLI, zf-C4
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) and variant 2 encode the same isoform (1).</p>