

## Product datasheet for **SC331144**

### Thyroid Hormone Receptor alpha (THRA) (NM\_001190919) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Thyroid Hormone Receptor alpha (THRA) (NM_001190919) Human Untagged Clone
Tag:	Tag Free
Symbol:	Thyroid Hormone Receptor alpha
Synonyms:	AR7; c-ERBA-1; CHNG6; EAR7; ERB-T-1; ERBA; ERBA1; NR1A1; THRA1; THRA2; TRAlpha
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC331144 representing NM_001190919. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAACAGAAGCCAAGCAAGGTGGAGTGTGGGTGAGCCAGAGGAGAACAGTCCAGGTACCAGAT
GGAAAGCGAAAAAGAAAGAACGGCCAATGTTCCCTGAAAACCAGCATGTCAGGGTATATCCCTAGTTAC
CTGGACAAAGACGAGCAGTGTGTCGTGTGTGGGACAAGGCAACTGGTTACTACTACCGTGTATCACT
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TATGACAGCTGCTGTGTCATTGACAAGATCACCCGCAATCAGTGCCAGCTGTGCCGTTCAAGAAGTGC
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GAAGACGACAGCAGTGAAGCGGACTCCCGAGCTCCTCTGAGGAGGAACCGGAGGTCTGCGAGGACCTG
GCAGGCAATGCAGCCTCTCCCTGA

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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001190919
Insert Size:	1473 bp



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<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_001190919.1</a>
<b>RefSeq Size:</b>	2547 bp
<b>RefSeq ORF:</b>	1473 bp
<b>Locus ID:</b>	7067
<b>UniProt ID:</b>	<a href="#">P10827</a>
<b>Cytogenetics:</b>	17q21.1
<b>Protein Families:</b>	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	54.8 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a nuclear hormone receptor for triiodothyronine. It is one of the several receptors for thyroid hormone, and has been shown to mediate the biological activities of thyroid hormone. Knockout studies in mice suggest that the different receptors, while having certain extent of redundancy, may mediate different functions of thyroid hormone. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 2. Variants 2 and 4 both encode the same isoform (2).</p>