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Product datasheet for SC330290

Thyroid Hormone Receptor beta (THRB) (NM_001252634) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Thyroid Hormone Receptor beta (THRB) (NM_001252634) Human Untagged Clone

Tag: Tag Free

Symbol: THRB

Synonyms: C-ERBA-2; C-ERBA-BETA; ERBA2; GRTH; NR1A2; PRTH; THR1; THRB1; THRB2; TRbeta

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC330290 representing NM_001252634.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGACTCCCAACAGTATGACAGAAAATGGCCTTACAGCCTGGGACAAACCGAAGCACTGTCCAGACCGA
GAACACGACTGGAAGCTAGTAGGAATGTCTGAAGCCTGCCTACATAGGAAGAGCCATTCAGAGAGGCGC
AGCACGTTGAAAAATGAACAGTCGTCGCCACATCTCATCCAGACCACTTGGACTAGCTCAATATTCCAT
CTGGACCATGATGATGTGAACGACCAGAGTGTCTCAAGTGCCCAGACCTTCCAAACGGAGGAGAAGAAA
TGTAAAGGGTACATCCCCAGTTACTTAGACAAGGACGAGCTCTGTGTAGTGTGTGGTGACAAAGCCACC
GGGTATCACTACCGCTGTATCACGTGTGAAGGCTGCAAGGGTTTCTTTAGAAGAACCATTCAGAAAAAT
CTCCATCCATCCTATTCCTGTAAATATGAAGGAAAATGTGTCATAGACAAAGTCACGCGAAATCAGTGC
CAGGAATGTCGCTTTAAGAAATGCATCTATGTTGGCATGGCAACAGATTTGGTGCTGGATGACAGCAAG
AGGCTGGCCAAGAGGAAGCTGATAGAGGAGAACCGGGAGAAAAGACGGCGGGAAGAGCTGCAGAAGTCC
ATCGGGCACAAGCCAGAGCCCACAGACGAGGAATGGGAGCTCATCAAAACTGTCACCGAAGCCCATGTG
GCGACCAACGCCCAAGGCAGCCACTGGAAGCAAAAACGGAAATTCCTGCCAGAAGACATTGGACAAGCA
CCAATAGTCAATGCCCCAGAAGGTGGAAAGGTTGACTTGGAAGCCTTCAGCCATTTTACAAAAATCATC
ACACCAGCAATTACCAGAGTGGTGGATTTTGCCAAAAAGTTGCCTATGTTTTGTGAGCTGCCATGTGAA
GACCAGATCATCCTCCTCAAAGGCTGCTGCATGGAGATCATGTCCCTTCGCGCTGCTGTGCGCTATGAC
CCAGAAAGTGAGACTTTAACCTTGAATGGGGAAATGGCAGTGACACGGGGCCAGCTGAAAAATGGGGGT
CTTGGGGTGGTGTCAGACGCCATCTTTGACCTGGGCATGTCTCTGTCTTCTTTCAACCTGGATGACACT
GAAGTAGCCCTCCTTCAGGCCGTCCTGCTGATGTCTTCAGATCGCCCGGGGCTTGCCTGTGTTGAGAGA
ATAGAAAAGTACCAAGATAGTTTCCTGCTGGCCTTTGAACACTATATCAATTACCGAAAACACCACGTG
ACACACTTTTGGCCAAAACTCCTGATGAAGGTGACAGATCTGCGGATGATAGGAGCCTGCCATGCCAGC
CGCTTCCTGCACATGAAGGTGGAATGCCCCACAGAACTCTTCCCCCCTTTGTTCTTGGAAGTGTTCGAG
GATTAG

Restriction Sites: SgfI-MluI

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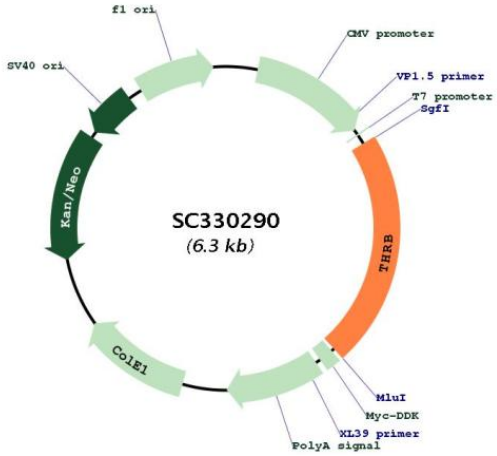
Plasmid Map:



ACCN:	NM_001252634
Insert Size:	1386 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_001252634.1
RefSeq Size:	7651 bp
RefSeq ORF:	1386 bp
Locus ID:	7068
UniProt ID:	P10828

Cytogenetics:	3p24.2
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	52.8 kDa
Gene Summary:	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. Mutations in this gene are known to be a cause of generalized thyroid hormone resistance (GTHR), a syndrome characterized by goiter and high levels of circulating thyroid hormone (T3-T4), with normal or slightly elevated thyroid stimulating hormone (TSH). Several alternatively spliced transcript variants encoding the same protein have been observed for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1-10 all encode the same 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.