

Product datasheet for **SC118062**

TRH Receptor (TRHR) (NM_003301) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRH Receptor (TRHR) (NM_003301) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRH Receptor
Synonyms:	CHNG7; TRH-R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003301, RT-PCR generated
 ATGGAAAACGAGACAGTCAGTGAACCTGAACCAACACAGCTTCAGCCACGAGCAGTGGTG
 GCCTTAGAATACCAGGTGGTCACCATCTTACTTGTACTCATTATTTGTGGCCTGGGCATT
 GTAGGCAACATCATGGTAGTCCTGGTTGTCATGAGAACCAAGCACATGAGGACCCCCACA
 AACTGCTACCTGGTGAGCCTGGCAGTAGCTGATCTCATGGTCTTGGTGGCCGAGGCCTC
 CCCAACATAACAGACAGTATCTACGGTTCCTGGGCTATGGCTATGTTGGATGCCTCTGC
 ATTACTTACCTCCAGTATTTGGGAATTAATGCATCCTCTTGTCAATAACAGCCTTTACC
 ATTGAGAGGTACATAGCAATCTGTCACCCCATCAAAGCCCAGTTTCTCTGCACATTTTCC
 AGAGCCAAAAAGATTATCATCTTTGTCTGGGCTTTCACATCTCTTACTGTATGCTCTGG
 TTCTTCTTGCTGGATCTCAATATTAGCACCTACAAAGATGCTATTGTGATATCCTGTGGC
 TACAAGATCTCCAGGAATTACTACTCACCTATTTACCTAATGGACTTTGGTGTCTTTTAT
 GTGTGGCCAAATGATCCTGGCTACCGTCCTCTATGGATTCATAGCTAGAATCCTTTTCTTA
 AATCCCATTCCTTCAGATCCTAAAGAAAACCTAAGACATGGAAAAATGATTCAACCCAT
 CAGAACACAAATCTGAATGTAATACCTCTAATAGATGTTTCAACAGCACAGTATCTTCA
 AGGAAGCAGGTACCAAGATGCTGGCAGTGGTTGTAATCTGTTTGCCTTTTATGGATG
 CCCTACAGGACTTAGTGGTTGCAACTCATTCTCTCCAGTCTTTCCAAGAAAATTGG
 TTTTGTCTTTTGCAGAATTTGCATTTATCTCAACAGTGCCATCAACCCGGTGATTTAC
 AATCTCATGTCCAGAAAATCCGTGCAGCCTTCAGAAAGCTCTGCAACTGCAAGCAGAAG
 CCAACAGAGAAACCTGCTAACTACAGTGTGGCCCTAAATTACAGCGTCATCAAGGAGTCA
 GACCATTTTCAGCACAGAGCTTGATGATATCACTGTCACTGACACTTACCTGTCTGCCACA
 AAAGTGTCTTTTATGATGACACCTGCTTGGCTTCTGAGGTATCCTTTAGCCAAAGTTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003301 unedited TTGNGGCCAAATGCGGGTTTTGTTACCACTTTTCATGATTAGNCGGACCGCCAGTCGTG AGGGTATCTGCAAATTCGGCTTTGAAAAAGGGAAAACGAGACAGTCAGTGAACGAAACCA AACACAGCTTCAGCCACGAGCAGTGGTGGCCTTAGAATACCAGGTGGTCACCATCTTACT TGTAATCATTATTTGTGGCCTGGGCATTGTAGGCAACATCATGGTATTCTGGTTGNCAT GAGAACCAAGCTACATGAGACCCCCACAACCTACCTGGTGGCCCTGGCAGTAGCTG ATCTAATGGCCTTGTGGGCCGAAGGCCTCCCACTAACCGAAAGTTTTTACGGGTCGG GGCTTTGGATTTTTGGGGCGCCCTTGATTAATTCCTCCCATTTTTGAAATAAAGCACC CTTTTTAAAAAAACGGCTTTCCCTTTGGGGGGCGAAAATTTTTTTTCCCCCCAAAA AAAAAATTTTTTTGGGGCTTTTTTTCCCAACAAAAAATTATNTTTTTTTGGGGGG GGGGCGCCCCCTTTTTTTTGGGGGGGGGGTGTTTTTTTTTGGGGGGGGGNNNNN NNCCCCCCCCCACCACAAAAAATTTATTTTTTTTTTTGTGGGGGGGGGGCCCC CCANNAANANANAAAAACACCACCCCTTCTCCTCCNCCCTGGNAAAATGTGT TTTTTGTTTTTTTTTAAAAAGAGAAAGGAGGGGGNCCCCCCCCNNTNNCNNNN NNNNNNNTAATATANTTTTTTTTTTTTTTTTTNNNNNTCNCCTCCCCCCCCCCCC NACGCCACGGAGAAGAAAAAAAC
Restriction Sites:	Please inquire
ACCN:	NM_003301
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:	<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_003301.1 , NP_003292.1
RefSeq Size:	1348 bp
RefSeq ORF:	1197 bp
Locus ID:	7201
UniProt ID:	P34981
Cytogenetics:	8q23.1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Calcium signaling pathway, Neuroactive ligand-receptor interaction

Gene Summary:

This gene encodes a G protein-coupled receptor for thyrotropin-releasing hormone (TRH). Upon binding to TRH, this receptor activates the inositol phospholipid-calcium-protein kinase C transduction pathway. Mutations in this gene have been associated with generalized thyrotropin-releasing hormone resistance. [provided by RefSeq, Sep 2011]