

Product datasheet for **MG210536**

Tshr (NM_011648) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tshr (NM_011648) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tshr
Synonyms:	AI481368; hypothroid; hyt; pet
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG210536 representing NM_011648
 Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGGCGCGCC

ATGAGGCCAGGGTCCCTGCTGCTGCTTGTCTGCTGCTCGCCCTGTCCAGGAGCCTGCGGGGCAAAGAGT
 GTGCGTCTCCACCTGTGAGTGTACCAGGAGGACGACTTCAGAGTCACCTGCAAGGAGCTCCACCGAAT
 CCCCAGCCTGCCGCCAGCACCCAGACTCTGAAGCTCATCGAGACTCATCTGAAGACCATACCCAGTCTT
 GCATTTTCGAGTCTGCCCAATATTTCCAGGATCTATTTATCTATAGATGCAACTCTGCAGCGGCTGGAAC
 CACATTCTTTCTACAATTTGAGTAAAAAGACTCACATAGAAAATCCGGAACACCAGAAGCTTAACCTATAT
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 TTCCTGACTTGACAAAATTTATCCACGGACATATTCTTTATACTTGAATCACAGACAACCCTTACA
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 CTATGCTATTTTACCAAGGCCTTCAGAGGGACGTGTTTCATCCTGCTCAGCAAGTTTGGCATCTGCAAA
 CGCCAGGCCAGGCCTATCAGGGTCAGAGAGTCTGCCAACAATAGCACTGGTATTAGATCCAAAAGA
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 AGCTCAAAAACGACGGGACAAAATCTCAGAAGAGTATAAGCAACAGCCTTG

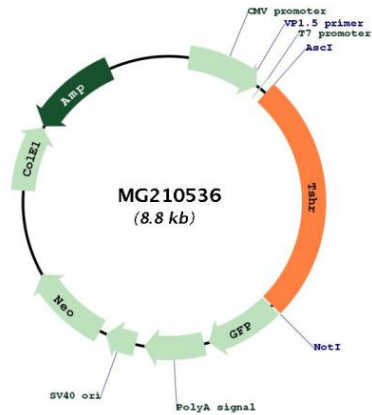
ACGGGCGCCCTCGAG - GFP Tag - GTTTAA

Protein Sequence:	>MG210536 representing NM_011648 Red=Cloning site Green=Tags(s) MRPGSLLLLVLLLALSRSLRGKECASPPCECHQEDDFRVTCKELHRIPSLPPSTQTLKLIETHLKTIPSL AFSSLPNISRIYLSIDATLQRLEPHSFYNLSKMTHEIRNTRSLTYIDPDALTEPLLKFLGIFNTGLRI FPDLTKIYSTDIFFILEITDNPYMTSVPENAFQGLCNETLTLKLYNNGFTSVQGHAFNGTKLDAVYLNKN KYLT AIDNDAFGGVYSGPTLLDVSSTSVTALPSKGLEHLKELIAKDTWTLKPLSLSFLHLTRADLSYP SHCCAFKNQKKIRGILESMLCNESSIRNLRQRKSVNILRGPIYQEYEEDPGDNSVGKQNSKFQESPSNS HYVVFEEQEDEVVGFQELKNPQEETLQAFESHYDYTVCGDNEDMVCTPKSDEFNCPCEDIMGYRFLRIV VWFVSLALLGNIFVLLILLTSHYKLTVPRFLMCNLAFAFCMGVYLLLIASVDLYTHSEYNNHAIDWQT GPGCNTAGFFTFASELSVYTLTVITLERWYAITFAMRLDRKIRLRHAYTIMAGGWVSCFLLALLPMVGI SSYAKVSICLPMDTDTPLALAYIVLVLNVAFAVVCSCYVKIYITVRNPQYNPRDKDTIAKRAMAVLI FTDFMCMAPISFYALSALMKNPLITVTNSKILLVLFYPLNSCANPFLYAIFTKAFQRDVFILLSKFGICK RQAQAYQGQRVCPNNSTGIQIQIPQDTRQSLPNMQDTYELLGNSQLAPKLQGGISEEYKQATAL TRPLE - GFP Tag - V
Restriction Sites:	Ascl-NotI
Cloning Scheme:	□
ACCN:	NM_011648
ORF Size:	2292 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_011648.5 , NP_035778.3
RefSeq Size:	4332 bp
RefSeq ORF:	2295 bp
Locus ID:	22095
UniProt ID:	P47750

Cytogenetics: 12 44.51 cM

Gene Summary: Receptor for the thyroid-stimulating hormone (TSH) or thyrotropin. Also acts as a receptor for the heterodimeric glycoprotein hormone (GPHA2:GPHB5) or thyrostimulin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Plays a central role in controlling thyroid cell metabolism.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210536