

Product datasheet for **RR212115**

Tshr (NM_012888) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tshr (NM_012888) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tshr
Synonyms:	TSHRA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR212115 representing NM_012888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGGCCAGGGTCCCTGCTCCAGCTCACTCTGCTGCTCGCCCTGCCAGGAGCCTCTGGGGCAGAGGGT
 GTACTTCTCCACCTGCGAATGCCACCAGGAGGACGACTTCAGAGTCACCTGCAAGGAACCTCCACCAAT
 CCCCAGCCTACCGCCAGCACCCAGACTCTGAAGCTCATCGAGACTCACCTGAAGACCATTCCCAGTCTT
 GCCTTTTCGAGCCTGCCAATATTTCCAGGATCTATCTATCCATAGATGCCACTCTGCAGCGACTGGAGC
 CACATTCTTTCTACAATTTGAGTAAAAAGACTCACATAGAAAATCCGGAACACCAGAAGCTTGACTTACAT
 AGACCCTGATGCCTAACAGAGCTCCCCTTGTCAAGTTTCTTGGAAATTTCAATACTGGACTTAGAATA
 TTCCTGACTTGACCAAAATTTATCCACGGATGTGTTCTTTATACTAGAAAATCACAGACAACCCTTACA
 TGACGTCAGTCCCTGAAAACGCATTCCAGGGACTATGCAATGAAACCTTGACCCTGAAACTATACAACAA
 TGGATTTACTTCAATCCAAGGACATGCTTCAATGGAACAAAGCTGGATGCTGTTTACCTAAACAAGAAT
 AAATATCTGACAGCTATAGACAAAAGATGCCTTTGGAGGAGTATACAGTGGACCCACTTTGCTAGACGTGT
 CTTCCACCAGCGTACTGCTCTTCTTCCAAAGGCCTGGAGCACCTCAAAGAGCTGATCGCGAAGAACAC
 CTGGACTCTCAAAAAGCTCCCCCTGTCTTGAGCTTCTCCACCTCACTCGGGCTGACCTCTTACCCA
 AGTCACTGCTGTGCTTTTAAAGAACAGAAAATCAGGGGAATCCTAGAGTCTTTGATGTGTAATGAGA
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 AGAAGGTCTGGGTGACAACCATGTTGGGTACAACAAAACCTCAAGTTCAGGAGGGCCCAAGCAACTCT
 CACTATTACGTCTCTTTGAAGAACAAGAGGACGAGATCATCGTTCGCGCAAGAGCTCAAAAATCCTC
 AGGAAGAGACTCTCAAGCCTTCGACAGCCACTATGACTACACTGTGTGGGGACAACAGGACATGGT
 GTGTACCCCAAGTCAGACGAGTTTAAACCCTGTGAAGATATCATGGGCTACAAGTTCCTGAGAATCGTG
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 GCTTCTCATTGCCTCCGTAGACCTGTACACACACTGAGTACTACAACCAGCCATTGACTGGCAGACG
 GGCCCTGGATGCAACACGGCTGGTTTCTCACTGTTTTTGCAGCGAGTTATCAGTGTACACACTGACGG
 TCATCACCTGGAGCGATGGTATGCCATCACCTTCGCCATGCGCCTGGATAGGAAGATCCGCCTCAGGCA
 CGCTTATACCATCATGGCGGGGGGGTGGGTTTCTGCTTCTTCTCGCCTTGCTCCCAATGGTGGGAATA
 AGCAGCTACGCCAAGGTCAGCATCTGCCCTGCCGATGGACACAGACACCCCTCTTGCCTGGCGTACATCG
 CCCTTGTCTCCTGCTCAACGTTGTGCTTTGTTATTGTCTGCTCCTGCTATGTGAAGATTTACATCAC
 CGTCCGAAATCCCAGTACAACCCTCGAGATAAAGACACCAAGATTGCCAAGAGGATGGCCGTGTTGATC
 TTCCTGACTTTCATGTGCATGGCGCCATCTCCTTCTATGCCCTGTGAGCGTTATGAACAAGCCTCTGA
 TCACTGTCACTAACTCCGGGGTCTGTTGGTCTCTTCTACCCACTCAACTCCTGTGCTAACCATTCTCT
 CTATGCCATTTTACCAAGGCCTTCCAGAGGGATGTGTTTCATCTACTCAGCAAGTTTGGCCTCTGAAA
 CACCAGGCCCAAGCCTATCAGGCCAGAGAGTCTGTCCCAACAACAACACTGGTATTAGATCCAAAAGA
 TCCCCAGGACACAAGGCAGAGTCTCCCAATGTGCAAGATACCTATGAACCGCTTGAAGCTCCCACT
 GACTCCGAAACTACAGGGACGGATCTCAGAAGAGTACACGCAACAGCCCTGGACTCCGAAACTACAGGG
 ACGGATCTCAGAAGAGTACACGCAACAGCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212115 representing NM_012888
Red=Cloning site Green=Tags(s)

MRPGSLLQLTLLLALPRSLWGRGCTSPPCHEQEDDFRVTCHELHQIPSLPPSTQTLKLIETHLKTIPSL
AFSSLPNISRIYLSIDATLQRLEPHSFYNLSKMTHIEIRNTRSLTYIDPDALTEPLLKFLGIFNTGLRI
FPDLTKIYSTDVFFILEITDNPYMTSVPENAFQGLCNETLTKLYNNGFTSIQGHAFNGTKLDAVYLNKN
KYLTAIDKDAFGGVYSGPTLLDVSSTSVTALPSKGLEHLKELIAKNTWTLKPLSLSFLHLTRADLSYP
SHCCAFKNQKKIRGILESMLCNESSIRNLRQRKSVNVMRGPVYQEYEEGLGDNHVGKQNSKFQEGPSNS
HYVVFEEQEDEIIGFGQELKNPQEETLQAFDSHYDYTVCGDNEDMVCTPKSDEFNCPEDIMGYKFLRIV
VWFVSPMALLGNVFLVLLTSHYKLTVPFLMCNLAFAFCMGVYLLLIASVDLYTHTEYYNHAIDWQT
GPGCNTAGFFTFASELSVYTLTVITLERWYAITFAMRLDRKIRLRHAYTIMAGGWVSCFLLALLPMVGI
SSYAKVSICLPMDTDTPLALAYIALVLLLNVAFAVIVCSCYVKIYITVRNPQYNPRDKDTKIAKMAVLI
FTDFMCMAPISFYALSALMNKPLITVTNSGVLLVLFYPLNSCANPFLYAIFTKAFQRDVFILLSKFGLCK
HQAQAYQAQRVCPNNTGIQIQIPQDTRQSLPNVQDTYEPLGSSHLTPKLQGRISEEYQTALDSETTG
TDLRRVHANSF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1407_a04.zip

Restriction Sites: Sgfl-Mlul

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 Size: 5270 bp

RefSeq ORF: 2295 bp

Locus ID: 25360

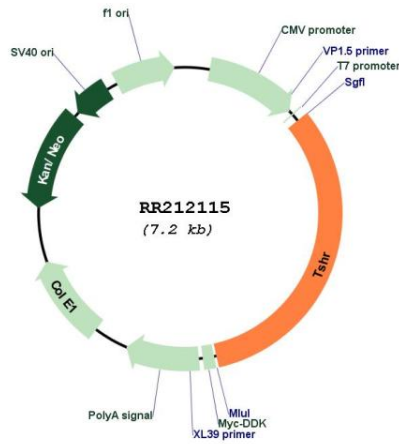
UniProt ID: [P21463](#)

Cytogenetics: 6q31

MW: 86.5 kDa

Gene Summary: acts as a G-protein coupled receptor for thyroid-stimulating hormone; induces increased cAMP levels [RGD, Feb 2006]

Product images:



Circular map for RR212115