

## Product datasheet for **RC220499A1V**

### Human TSH Receptor (TSHR) (NM\_000369) AAV Particle

#### Product data:

|                           |                                                    |
|---------------------------|----------------------------------------------------|
| Product Type:             | AAV Particles                                      |
| Product Name:             | Human TSH Receptor (TSHR) (NM_000369) AAV Particle |
| Tag:                      | Myc-DDK                                            |
| Symbol:                   | TSHR                                               |
| Synonyms:                 | CHNG1; hTSHR-I; LGR3                               |
| Mammalian Cell Selection: | None                                               |
| Vector:                   | pAAV-AC-Myc-DDK (PS100089)                         |



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## ORF Nucleotide Sequence:

>RC220499 representing NM\_000369  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGAGGCCGGCGGACTTGCTGCAGCTGGTCTGCTGCTCGACCTGCCAGGGACCTGGGCGGAATGGGGT  
 GTTCGTCTCCACCCTGCCAGTGCCATCAGGAGGAGGACTTCAGAGTCACCTGCAAGGATATTCAACGCAT  
 CCCCAGCTTACCGCCAGTACGCAGACTCTGAAGCTTATTGAGACTCACCTGAGAACTATTCCAAGTCAT  
 GCATTTTCTAATCTGCCAATATTTCCAGAATCTACGTATCTATAGATGTGACTCTGCAGCAGCTGGAAT  
 CACACTCCTTCTACAATTTGAGTAAAGTGACTCACATAGAAATTCGGAATACCAGGAACCTAACTTACAT  
 AGACCCTGATGCCCTCAAAGAGCTCCCCCTCTAAAGTTCCTTGGCATTTCACACTGGACTTAAATG  
 TTCCCTGACCTGACCAAAGTTTATTCCACTGATATATTCTTTATACTTGAATACAGACAACCTTACA  
 TGACGTCAATCCCTGTGAATGCTTTTCAGGGACTATGCAATGAAACCTTGACACTGAAGCTGTACAACAA  
 TGGCTTTACTTCAGTCCAAGGATATGCTTTCAATGGGACAAAGCTGGATGCTGTTACCTAAACAAGAAT  
 AAATACCTGACAGTTATTGACAAAGATGCATTTGGAGGAGTATACAGTGGACCAAGCTTGCTGGACGTGT  
 CTCAAACCAAGTGTCACTGCCCTTCCATCCAAAGGCCTGGAGCACCTGAAGGAACCTGATAGCAAGAAACAC  
 CTGGACTCTTAAGAACTTCCACTTTCCTTGAGTTTCTTCACCTCACACGGGCTGACCTTCTTACCCA  
 AGCCACTGCTGTGCTTTAAGAATCAGAAGAAATCAGAGGAATCCTTGAGTCTTGATGTGAATGAGA  
 GCAGTATGCAGAGCTTGCGCCAGAGAAAATCTGTGAATGCCTTGAATAGCCCCCTCCACCAGGAATATGA  
 AGAGAACTCGGGTGACAGCATTGTTGGGTACAAGGAAAAGTCCAAGTTCAGGATACTCATAACAACGCT  
 CATTATTACGTCTTCTTTGAAGAACAAGAGGATGAGATCATTGGTTTTGGCCAGGAGCTCAAAAACCCCC  
 AGGAAGAGACTCTACAAGCTTTTGACAGCCATTATGACTACACCATATGTGGGGACAGTGAAGACATGGT  
 GTGTACCCCCAAGTCCGATGAGTTCAACCCGTGTGAAGACATAATGGGCTACAAGTTCCTGAGAATTGTG  
 GTGTGGTTCTGTTAGTCTGCTGGCTCTCCTGGGCAATGTCTTTGTCTGCTTATTCTCCTACCAGCCACT  
 ACAAACGAACGTCCCCCGCTTCTCATGTGAACCTGGCCTTTGCGGATTTCTGCATGGGGATGTACCT  
 GCTCCTCATCGCTCTGTAGACCTCTACACTACTCTGAGTACTACAACCATGCCATCGACTGGCAGACA  
 GGCCCTGGGTGAACACGGCTGGTTTCTTCACTGTCTTTGCAAGCGAGTTATCGGTGTATACGCTGACGG  
 TCATCACCTGGAGCGCTGGTATGCCATCACCTTCGCCATGCGCCTGGACCGGAAGATCCGCCTCAGGCA  
 CGCATGTGCCATCATGGTTGGGGCTGGGTTTGTCTGCTTCCTTCTCGCCCTGCTTCCTTTGGTGGGAATA  
 AGTAGCTATGCCAAAGTCAGTATCTGCCTGCCATGGACACCGAGACCCCTCTTGCTCTGGCATATATTG  
 TTTTGTCTGACGCTCAACATAGTTGCCTTCGTATCGTCTGCTGCTGTTATGTGAAGATCTACATCAC  
 AGTCCGAAATCCGCAGTACAACCCAGGGGACAAAGATACCAAAATTGCCAAGAGGATGGCTGTGTGATC  
 TTCACCGACTTCATATGCATGGCCCAATCTCATTCTATGCTCTGTGAGCAATTCTGAACAAGCCTCTCA  
 TCACTGTTAGCAACTCCAAATCTTGCTGGTACTCTTCTATCCACTTAACTCCTGTGCCAATCCATTCT  
 CTATGCTATTTTACCAAGGCCTTCCAGAGGGATGTGTTATCCTACTCAGCAAGTTTGGCATCTGTAAA  
 CGCCAGGCTCAGGCATACCGGGGGCAGAGGGTTCCTCCAAAGAACAGCACTGATATTCAGGTTCAAAGG  
 TTACCCACGACATGAGGCAGGGTCTCCACAACATGGAAGATGTCTATGAACTGATTGAAAACCTCCCATCT  
 AACCCCAAAGAAGCAAGGCCAAATCTCAGAAGAGTATATGCAAACGGTTTTG

**ACGCGT**ACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Sequence: | <p>&gt;RC220499 representing NM_000369</p> <p>Red=Cloning site Green=Tags(s)</p> <p>MRPADLLQLVLLLDLPRDLGGMGCSPPCECHQEEDFRVTCKDIQRIPSLPPSTQTLKLIETHLRTIPSH<br/>AFSNLPNISRIYVSIDVTLQQLESHSFYNLSKVTHIEIRNTRNLTYIDPDALKELPLLKFLGIFNTGLKM<br/>FPDLTKVYSTDIFFILEITDNPYMTSIPVNAFQGLCNETLTLKLYNNGFTSVQGYAFNGTKLDAVYLNKN<br/>KYLTVIDKDAFGGVYSGPSLLDVSQTSVTALPSKGLEHLKELIARNTWTLKKLPLSLSFLHLTRADLSYP<br/>SHCCAFKNQKKIRGILESMLCNESSMQSLRQRKSVNALNSPLHQEYEENLGDSIVGYKEKSKFQDTHNNA<br/>HYVVFEEQEDEIIGFGQELKNPQEETLQAFDSHYDYTICGDSMDMVCTPKSDEFNPPCEDIMGYKFLRIV<br/>VWVFSLLALLGNVFLVLLILLTSHYKLNVPFLMCNLAFADFCMGMYLLLIASVDLYTHSEYNNHAIDWQT<br/>GPGCNTAGFFTFASELVSYTLTVITLERWYAITFAMRLDRKIRLRHACAIMVGGWVCCFLLALLPLVGI<br/>SSYAKVSIKLPMDTETPLALAYIVFVLTNIVAFVIVCCCVYKIYITVRNPQYNPGDKDTKIAKRMAVLI<br/>FTDFICMAPISFYALSAILNKPLITVSNKILLVLFYPLNSCANPFLYAIFTKAFQRDVFILLSKFGICK<br/>RQAQAYRGQRVPPKNSTDIQVQKVTHDMRQGLHNMEDVYELIENSHLTPKKQGQISEEYMQTVL</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Species:          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Serotype:         | AAV-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| ACCN:             | NM_000369                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ORF Size:         | 2292 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Buffer:           | PBS with 0.001% Pluronic F8184                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Stability:        | AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq:           | <a href="#">NM_000369.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RefSeq Size:      | 4410 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| RefSeq ORF:       | 2295 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Locus ID:         | 7253                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| UniProt ID:       | <a href="#">P16473</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cytogenetics:     | 14q31.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| MW:               | 86.83 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |