

## Product datasheet for **RR213994**

### Taar2 (NM\_001008512) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Taar2 (NM\_001008512) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Taar2  
**Synonyms:** Gpr58  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR213994 representing NM\_001008512  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACATCTTTGAAGCCCAACAGGAAACCTTCGATTGTTTCAAGATATGGGAATGGATCTTGCCAGAGA  
ATGAAAGGTCTCTGGGGTCCGAGCTGCAATGTACTCACTGATGGCAGGAGCCATCTTCATCACGATCTT  
TGGCAACCTGGTCATGATCATTTCATTTCTACTTCAAGCAGCTTACACACCGACCAACCTCCTCATT  
CTCTCCATGGCTGTACCGACTTCTGTTGGGATTCACCATCATGCCATACAGTATGGTCCGGTCAGTGG  
AAAAGTCTGGTATTTTGGGCTTACCTTTTGAAGATCCATTATAGCTTTGACCTGATGCTTAGCATAAC  
GTCCATTTTCCACCTTGTCTCGGTGGCCATAGATAGATTTTACGCCATCTGTACCCCTTTCATTATTGC  
ACCAAAATGACTATTCGGTCTGCAAGCGGCTGCTGCTCGTCTGCTGGTCAAGTCCCGGGGGCTTTGCCT  
TTGGGGTGGTCTTTTCAAGGCTTATGCTGATGGGATGAAGGCTATGACATTTTGGTTGCATGTTCCAG  
TTCCTGCCAGTCATGTTTAAACAAGCTCTGGGGGACCACCTTATTTGTGGCGGGCTTTTACTCCGAGC  
TCCATGATGGTGGGATTTATGGCAAAATTTTCGAGTATCCAAAAACATGCTCGCGTAATTGACAAC  
TGCCAGAAAAATCAAATAATCAAATGAGGAAGGCAAAAAGGCAGCAAAAACCTTGGGGATAGTGATGGG  
TGTTTTCTACTGTGTTGGTTTCCATGTTTCTTACGATCCTGATAGATCCGTTTCTGAATTTCTCTACG  
CCTGCAATTCTGTTGATGCCTAACTTGGTTCGGCTATTTTAATTCCACATGTAATCCCTTAATTTATG  
GTTTCTTCTACCCCTGGTTTCGACAGGACTCAGGTACATTTTGTGGTAAAATTTTCAGCTCACATTT  
CCACAACACTAATTTGTTTACGCAAAAAGAAACAGAA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213994 representing NM\_001008512  
 Red=Cloning site Green=Tags(s)

MTSFEAQQETFDCSEYGNNGSCPENERSLGVRAAMYSLMAGAIFITIFGNLVMIIISISYFKQLHTPTNLLI  
 LSMAVTDFLLGFTIMPYSMVRSVENCWYFGLTFCKIHYSFDLMLSITSIHFLCSVAIDRFYAICHPLHYC  
 TKMTIPVVKRLLLVCSVPGAFAGVVFSEAYADGIEGYDILVACSSSCPVMFNKLWGTTLTVAGFFTPS  
 SMMVGIYGKIFAVSKKHARVIDNLPENQNNQMRKDKKAAKTLGIVMGVFLLCWFPCCFTILLDPFLNFST  
 PAILFDALTWFGYFNSTCNPLIYGFFYPWFRRALRYILLGKIFSSHFNHTNLFTQKETE

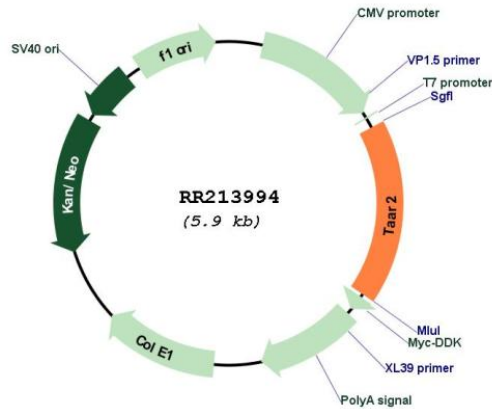
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001008512

ORF Size: 1017 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001008512.1</a> , <a href="#">NP_001008512.1</a>
<b>RefSeq Size:</b>	1020 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	294121
<b>UniProt ID:</b>	<a href="#">Q5QD25</a>
<b>Cytogenetics:</b>	1p12
<b>MW:</b>	38.6 kDa
<b>Gene Summary:</b>	Orphan receptor.[UniProtKB/Swiss-Prot Function]