

## Product datasheet for MR216843

### Taar2 (NM\_001007266) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Taar2 (NM_001007266) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taar2
Synonyms:	Gm224; Gm225; Gpr58; Tarr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR216843 representing NM_001007266 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCATCTTTGAAGCCCAGCAGGAAACCTTTGATTGTTTCAGAGTACGGAAATGGATCTTGCCAGAGA  
ATGAAAGATCTCTCGGCGTCCGAGCTGCCATGTAAGTTCGTTGATGGCTGCGCCATATTCATCAGCATCT  
TGGCAACCTGGCCATGATCATTTCATTTCCACTTCAAACAGCTTCACACACCGACCAACCTCCTCATT  
CTCTCCATGGCCGTCACCGACTTCCTTCTCGGATTCACCATCATGCCATATAGTATGGTCAGGTCAGTGG  
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GTCCATTTTCCACCTTTCGCTCGGTGGCCGTCGATAGATTTTATGCCATCTGTACCCCTTTCGATTATTGC  
ACCAAAATGACTATCCCGGTCGTTAGGGCGCTGCTGCTCGTCTGCTGGTCACTCCCGGGGCGTTTGCCT  
TTGGGGTGGTCTTCTCCGAGGCTTACGCTGATGGAATTGAAGGCTATGACATTTTGGTTGCATGTTCCAG  
TTCCTGCCAGTCATGTTCAACAAGCTATGGGGGACCACCTTGTGTTGGCAGGCTTTTTCACTCCTAGC  
TCGATGATGGTGGGATTTACGGCAAAATTTTCGCTGTATCCAAAAACACGCTCGCGTAATTGACAAC  
TGCCAGAAAATCAAAACAATCAAATGAGGAAGGACAAAAAGCAGCAAAACTTTAGGGATAGTGATGGG  
TGTTTTCTTATTGTGTTGGTTTCCATGTTTCTTACCATCCTGTAGATCCGTTTCTGAATTTCTCTACG  
CCTGCAGTCTGTTTGTGCTTAAACATGGTTCGGTTATTTAATTCCACATGTAATCCCTTAATTTATG  
GTTTCTTACCCTTGGTTTCGACAGCACTCAAGTACATTTTACTGGGTAATTTTTCAGCTCGCATTT  
CCATAATACTAATTTGTTTACTCAAAAAGAAACAGAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216843 representing NM\_001007266  
Red=Cloning site Green=Tags(s)

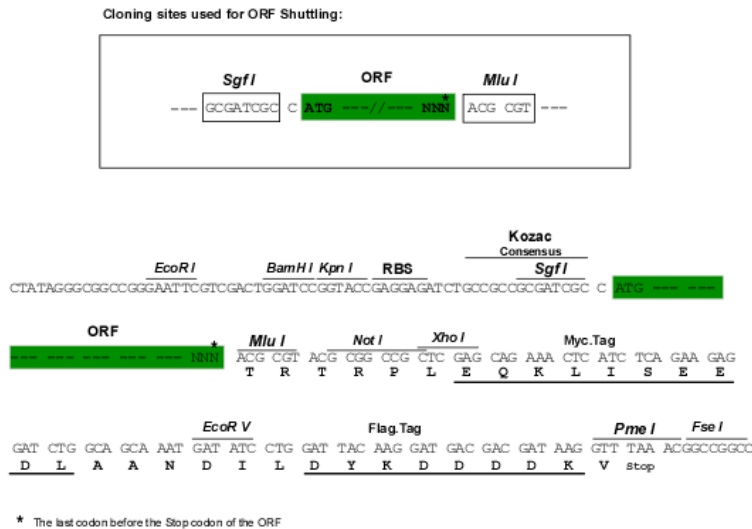
MASFEAQQETFDCSEYGNNGSCPENERSLGVRAAMYSLMACAIFITIFGNLAMIISISYFKQLHTPTNLLI  
 LSMAVTDFLLGFTIMPYSMVRSVENCWYFGLTFCKIHYSFDLMLSITSIFHLCSVAVDRFYAICHPLHYC  
 TKMTIPVVRLLLLVCWSVPGAFAGVVFSEAYADGIEGYDILVACSSSCPVMFNKLWGTTLFFVAGFFTPS  
 SMMVGIYGKIFAVSKKHARVIDNLPENQNNQMRKDKKAAKTLGIVMGVFLLCWFPCCFTILLDPFLNFST  
 PAVLFDALTWFGYFNSTCNPLIYGFFYPWFRRALKYILLGKIFSSHFNHNTLFTQKETE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9020\\_c03.zip](https://cdn.origene.com/chromatograms/mm9020_c03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



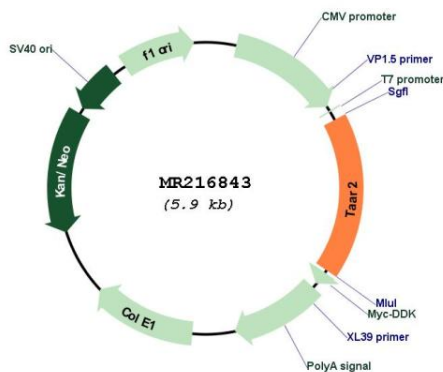
**ACCN:** NM\_001007266

**ORF Size:** 1017 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

<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>	<u><a href="#">NM_001007266.1</a></u> , <u><a href="#">NP_001007267.1</a></u>
<b>RefSeq Size:</b>	1020 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	209512
<b>UniProt ID:</b>	<u><a href="#">Q5QD17</a></u>
<b>Cytogenetics:</b>	10 A4
<b>MW:</b>	39 kDa
<b>Gene Summary:</b>	Orphan olfactory receptor specific for trace amines.[UniProtKB/Swiss-Prot Function]

**Product images:**

Circular map for MR216843