

## Product datasheet for MR225090

### Taar1 (NM\_053205) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Taar1 (NM_053205) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taar1
Synonyms:	taR-1; Tar1; Trar1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225090 representing NM_053205 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCTTTGCCACGCTATCACAAACATTTCCACAGAAACAGCGACTGGTCAAGAGAAGTCCAAGCTT  
CCCTGTACAGCTTAATGCACTCATAATCCTGGCCACTCTGGTTGGCACTTAATAGTAATAATTTCCAT  
ATCCCATTTCAAGCAACTTCATACACCCACCAACTGGCTCCTTCACTCCATGGCCATTGTCGACTTTCTG  
CTGGGCTGTCTGATAATGCCCTGCAGCATGGTGAAGACTGTTGAGCGCTGTTGGTATTTGGGAAATCC  
TCTGTAAGTTTACACCAGCACCAGATATCATGCTGAGCTCGCCCTCCATTTCCACTTAGCTTTTCATTTT  
CATTGACCGCTACTGTGCTGTGTGTGACCTTTGAGATACAAAGCCAAGTCAATATCTCCACTATTCTT  
GTGATGATCCTCGTTAGTTGGAGCCTTCTGCTGTTTATGCATTTGGGATGATCTTCTGGAAGTGAAGT  
TAAAAGGAGTGAAGAGCTGTATCGCAGTCAGGTGAGCGACCTGGGCGGCTGTTCTCCCTCTTTAGTAA  
AGTATCTGGGGTACTGGCGTTTCACTTCTTATATACCTGGATCTGTTATGTTATTTGTTTACTAT  
AGGATATATTTTATAGCTAAAGGACAAGCAAGTCAATCAATCGTACGAATGTTCAAGTTGGATTGGAAG  
GGAAAAGCCAAGCACCACAAAGCAAGGAAACAAAAGCCGGAAGACCTTAGGGATCATGGTGGCGTTTTT  
CCTCGTATGCTGGTGCCCGTTCTTTCTCTGCACGGTCTGGACCCTTTCTGGGCTATGTTATCCACCC  
TCTCTGAATGACGCACTGTATTGGTTTGGTACTTGAATTCTGCCCTCAATCCGATGGTTTATGCCTTTT  
TCTATCCCTGGTTCAGAAGAGCCTTGAAGATGGTCTCCTTGGTAAAATTTTCCAAAAGATTTCATCTAG  
GTCTAAGCTATTTTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

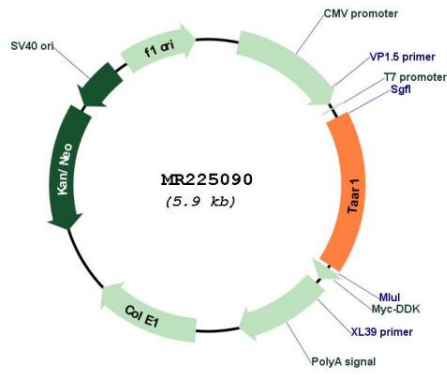


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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded 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_053205.1</a> , <a href="#">NP_444435.1</a>
<b>RefSeq Size:</b>	999 bp
<b>RefSeq ORF:</b>	999 bp
<b>Locus ID:</b>	111174
<b>UniProt ID:</b>	<a href="#">Q923Y8</a>
<b>Cytogenetics:</b>	10 A4
<b>MW:</b>	38.1 kDa
<b>Gene Summary:</b>	Receptor for trace amines, including beta-phenylethylamine (b-PEA), p-tyramine (p-TYR), octopamine and tryptamine, with highest affinity for b-PEA and p-TYR. Unresponsive to classical biogenic amines, such as epinephrine and histamine and only partially activated by dopamine and serotonin. Trace amines are biogenic amines present in very low levels in mammalian tissues. Although some trace amines have clearly defined roles as neurotransmitters in invertebrates, the extent to which they function as true neurotransmitters in vertebrates has remained speculative. Trace amines are likely to be involved in a variety of physiological functions that have yet to be fully understood. The signal transduced by this receptor is mediated by the G(s)-class of G-proteins which activate adenylate cyclase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225090