

## Product datasheet for **RR200648**

### Taar6 (NM\_175584) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Taar6 (NM_175584) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taar6
Synonyms:	Ta4; TRAR4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR200648 representing NM_175584 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGTAGTAACCTCGTCTCTCCCGCAGTCTGCAGCTCTGCTATGAGAACGTGAATGGGTCTTGTGTGA  
AAACCCCTACTCTCTGGGCCCGCTCTCTGATGCAGTCTTTGGCTTTGGGGCTGTGCTGGCAGT  
GTTTGAAACCTCTTGGTGATGATATCCATCCTCCATTTCAAACAGCTACACTCTCCACCAACTCCTC  
ATTGCGTCCTTGGCCTGTGCTGACTTCTGGGTGGGCGTCTCCGTGATGCCGTTACAGATGGTCAGGTCCA  
TCGAGAGCTGCTGGTACTTTGGAAGAAGCTTCTGCACTTTCCACACCTGCTGTGACGTGGCTTTTTGCTA  
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CCCACCAAGTTCACGGTGTCTGTGTCAGGAATTTGCATCAGCATCTCCTGGATTCTCCGCTGGCGTACA  
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CTTGTTATGATAATTCTGTACGGTAATATTTTTCTGGTAGCTAGACAACAGGCTAAAAAGATAGAACTG  
TTGGTAACAAGGCAGAATCATCCTCTGAGAGTTACAAGCCAGAGTGGCGAGAAGAGAGAAAAAGCAGC  
CAAACCCCTGGGAATCACTGTGGTAGCATTATGATCTCATGGTTACCCTACAGCATTGATTCATTAGTC  
GATGCTTTTATGGGCTTCATCACCCCTGCTTACATTTATGAAATTTGTGTTTGGTGTGCTTATTACAACT  
CAGCCATGAACCCCTTGTCTACGCTCTATTTTATCCATGGTTTAAAGAAAGCGATTAAGGTTATTATGAG  
TGGCCAGGTGTTCAAGAACAGCTCAGCCACTATGAACTTGTCTCTGAGCAAATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR200648 representing NM\_175584  
Red=Cloning site Green=Tags(s)

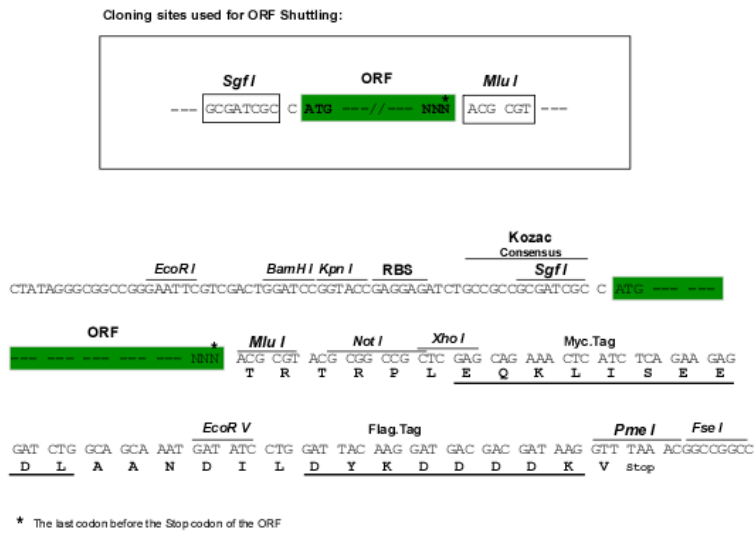
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 IASLACADFWVGVSVMPFMSVRSIESCWYFGRSFCTFHTCCDVAFICYSSLFHLFSFISIDRYIAVTDPLVY  
 PTKFTVSVSGICISISWILPLAYSGAVFYTGYYADGLEEVSDAVNCVGGCQVVVNQNWVLIDFLSFLIPT  
 LVMIIILYGNIFLVARQQAKKIETVGNKAESSESSEYKARVARRERKAAKTLGITVVAFMISWLPYSIDSLV  
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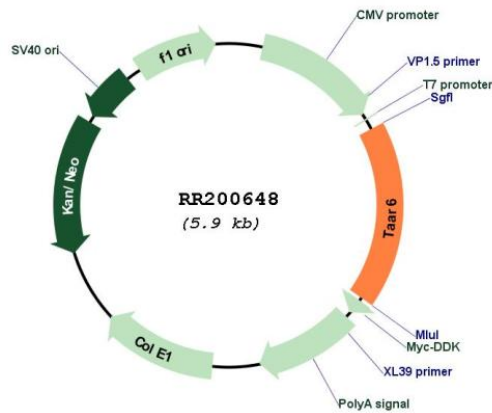
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_175584

**ORF Size:** 1035 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_175584.1</a> , <a href="#">NP_783174.1</a>
<b>RefSeq Size:</b>	1038 bp
<b>RefSeq ORF:</b>	1038 bp
<b>Locus ID:</b>	294124
<b>UniProt ID:</b>	<a href="#">Q923Y5</a>
<b>Cytogenetics:</b>	1p12
<b>MW:</b>	38.3 kDa
<b>Gene Summary:</b>	neurotransmitter/neuromodulator of trace amines; responsible for psychiatric disorders, depression and migraine [RGD, Feb 2006]