

Product datasheet for RN207582

Taar5 (NM_001009650) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taar5 (NM_001009650) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Taar5
Synonyms:	taR-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207582 representing NM_001009650 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGCTGTCCTCCTCCCGGCTCTGGAGAGCAGCCTGCGGCGTTCTGTTACCAGGTGAATGGTCTT
GCCCCAGGACAGTCCACCCGCTGGCCATCCGGTCTCATCTACCTGGCCTGCGCAGTAGGTATGCTGAT
CACAGTCTGGGAATTTGTTTGGTGTGGCGTCTACTTTAAAGTGCTCCACACCCCAAC
TTCTGCTGCTCCTCCCTGGCTCTGGCGGACATGTTGCTGGTCTGCTGGTCTGCCCTGAGCACAGTCC
GCTCTGTGGAGAGCTGCTGGTCTTCGGAGACTTCTGTGCCGTCTGCATACCTACCTGGACACGCTGTT
CTGCCTTACCTCCATCTCCATCTCTGTTTTATTCCATTGACCGTCATTGTGCCATCTGTGACCCCTG
CTCTATCCCTCAAGTTCACAGTCAGGATAGCCCTCCGATACATAGCGGACAGGTGGGGATACCAGCAG
CCTACACTGCCTTCTTTCTACACAGATGTGGTAGAGAGCACTCAGCCAGTGGCTGGAAGAAATGCC
TTGTGTGGGCAGCTGCCAGCTACTGTTCAATAAGTTCTGGGGTGGTTAAACTTCCCTGCGTTTTTCATC
CCCTGTCTCATGATCAGCTTGTACCTGAAGATCTTTGTGGTCTGCTACCAGGCAAGCTCAGCAGATCA
GAACCTGAGCCAAAGTTGTCCGGGCTGTCAAGCGGAAAGAAAGCTGCCAAGACGCTGGGCATTGC
TGTGGCATCTACCTTGTGTGTGGCTTCCCTTCACTGTGGACACGCTGGTGGACAGCCTCCTTAACTTC
GTCACCCACCCCTGGTCTTTGACATCTTATCTGGTTGCTTATTCAATTCAGCCTGTAAACCCATCA
TCTATGCTTCTCGTATAGATGGTTTAGGAAGGCCCTGAAACTCCTCTGAGCCGGGAGATCCTCTCACC
ACGGACACAGACTGCTGATCTGTCCATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001009650
Insert Size:	1014 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001009650.1</u> , <u>NP_001009650.1</u>
RefSeq Size:	1014 bp
RefSeq ORF:	1014 bp
Locus ID:	294123
UniProt ID:	<u>Q5QD23</u>
Cytogenetics:	1p12
Gene Summary:	Olfactory receptor specific for trimethylamine, a trace amine. Also activated at lower level by dimethylethylamine. Trimethylamine is a bacterial metabolite found in some animal odors, and is a repulsive odor associated with bad breath and spoiled food. This receptor is probably mediated by the G(s)-class of G-proteins which activate adenylate cyclase (By similarity). [UniProtKB/Swiss-Prot Function]