

Product datasheet for MR222709

Taar3 (NM_001008429) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Taar3 (NM_001008429) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Taar3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222709 representing NM_001008429 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTAATATACATTCCCGAAGACTTATCCAGCTGTCCAAAATTTGGAAATAAATCCTGCCCTCCCA
CCAATCGCTCTTCCGTGTCCGCATGATAATGTACCTGTTATGACTGGAGCCATGGTTATCACCATCTT
TGGAACTTAGTGATAATCATTTCCATATCGCATTTCAAACAGCTACATTCTCCCACTTTCTGATC
CTCTCCATGGCAACCACGGACTTCCTGCTGGGTTTTGTCATCATGCCTTACAGTATGGTGGATCAGTGG
AGAGCTGCTGGTATTTTCGGAGACAGCTTTTGCAAATTCACGCGAGCTTCGACATGCTAAGCCTGAC
GTCCATATTCCACCTGTGCTCCATCGCGATCGACCGTTTTATGCAGTGTGTGACCCTTTGCACTACACC
ACCACCATGACGGTATCCATGATCAAGAGACTGTGGCTTTTTGCTGGGAGCCCCAGCTCTCTTTTCGT
TTGGTTTAGTTCTGTCAGAGCCAATGTTTCTGGTATGCAGAGCTACGAGATTCTTGTTGCTTGCTTCAA
TTTCTGTGCGCTTACGTTCAACAAGTTTTGGGGACCATACTGTTCACTACCTGCTTCTTCACTCCTGGC
TCCATCATGGTTGGTATTTATGGTAAAATTTTTATTGTTTCTAGACGACATGCTCGAGCCCTCAGCGATA
TGCCTGCGAACACAAAAGGAGCAGTAGGGAAAAACCTGTCTAAGAAAAAGGACAGGAAAGCAGCTAAGAC
CCTGGGCATCGTCATGGGGTGTCTAGCGTGTGGCTGCCTTGCTTCTGGCTGTTTTGATTGATCCA
TATTTAGACTACTCCACGCCATCATAGTGTGGATCTTCTGGTATGGCTCGGGTACTTCAACTCTACTT
GCAACCCCTCATCCATGGCTTTTTTACCCGTGGTTTTCGAAAAGCTCTTCAGTTTATAGTGTGAGGAAA
AATATTTTCGCTCTAATTCAGACACTGCAATCTTTTTCTGAAGCACAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222709 representing NM_001008429
 Red=Cloning site Green=Tags(s)

MDLIYIPEDLSSCPKFGNKSCPPTNRSFRVRMIMYLFMTGAMVITIFGNLVIIISISHFKQLHSPTNFLI
 LSMATDFLLGFVIMPYSMVRSVESCWYFGDSFCKFHASFDMMLSLTSIFHLCSIAIDRFYAVCDPLHYT
 TTMTVSMIKRLLAFCAAPALFSFGLVLSEANVSGMQSYEILVACFNFCALTFNKFWGTILFTTCFFTPG
 SIMVGIYGKIFIVSRRHARALSDMPANTKGAVGKNLSKKKDRKAAKTLGIVMGVFLACWLPCLAVLIDP
 YLDYSTPIIVLDLLVWLYGFNSTCNPLIHGFFYPWFRKALQFIVSGKIFRSNSDTANLFPEAH

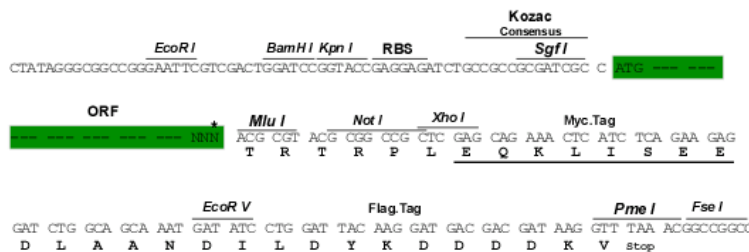
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9072_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001008429

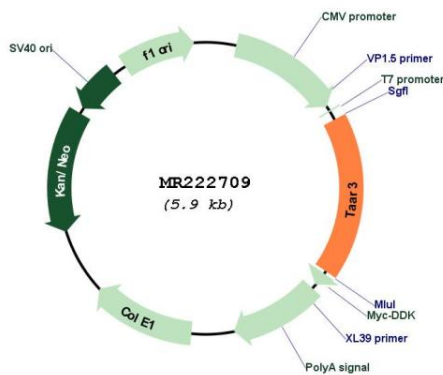
ORF Size: 1029 bp

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 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](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001008429.1, NP_001008429.1</u>
RefSeq Size:	1032 bp
RefSeq ORF:	1032 bp
Locus ID:	493809
UniProt ID:	<u>Q5QD16</u>
Cytogenetics:	10 A4
MW:	38.7 kDa
Gene Summary:	Olfactory receptor activated by several primary trace amines, including isoamylamine. Activated by isoamylamine and cyclohexylamine, but not to the corresponding alcohols, isoamylalcohol and cyclohexanol. This receptor is probably mediated by the G(s)-class of G-proteins which activate adenylate cyclase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222709