

Product datasheet for RC223711

TA3 (TAAR9) (NM_175057) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | TA3 (TAAR9) (NM_175057) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | TA3 |
| Synonyms: | TA3; TAR3; TAR9; TRAR3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >RC223711 representing NM_175057 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTGAACAATTTCTCCCAAGCTGAGGCTGTGGAGCTGTGTTACAAGAACGTGAACGAATCCTGCATTA
AAACTCCTTACTCGCCAGGTCCTCGATCTATCCTCTACGCCGTCCTTGGTTTTGGGGCTGTGCTGGCAGC
GTTTGGAACTTACTGGTCATGATTGCTATCCTTCACTTCAAACAACGACACACCTACAACTTTCTG
ATTGCGTCGCTGGCCTGTGCTGACTTCTTGGTGGGAGTCACTGTGATGCCCTTCAGCACAGTGAGGCTCG
TGGAGAGCTGTTGGTACTTTGGGACAGTACTGTAAATCCATACATGTTTTGACACATCCTTCTGTTT
TGCTTCTTTATTTCAATTTATGCTGTATCCTGTTGATAGATACATTGCTGTTACTGATCCTCTGACCTAT
CCAACCAAGTTTACTGTGTCAGTTTCAGGGATATGCATTGTTCTTTCTGGTTCTTTTCTGTACATACA
GCTTTTCGATCTTTTACACGGGAGCCAACGAAGAAGGAATTGAGGAATTAGTAGTTGCTCTAACCTGTGT
AGGAGGCTGCCAGGCTCCACTGAATCAAACTGGGTCCTACTTTGTTTTCTTCTATTCTTTATACCCAAT
GTCGCCATGGTGTATATACAGTAAGATATTTTGGTGGCAAGCATCAGGCTAGGAAGATAGAAAAGTA
CAGCCAGCCAAGCTCAGTCCCTCAGAGAGTTACAAGGAAAGAGTAGCAAAAAGAGAGAAAGGCTGC
CAAAACCTTGGGAATTGCTATGGCAGCATTCTTGTCTCTTGGCTACCATACCTCGTTGATGCAGTGATT
GATGCTTATGAATTTATAACTCCTCCTTATGTTTATGAGATTTTAGTTTGGTGTGTTTATTATAATT
CAGCTATGAACCCCTTGATTTATGCTTTCTTTTACCAATGGTTTGGGAAGGCAATAAACTTATTGTAAG
CGCAAGGTCTTAAGGACTGATTCGTCAACAACAAATTTATTTTCTGAAGAAGTAGAGACAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC223711 representing NM_175057
Red=Cloning site Green=Tags(s)

MVNNFSQAEAVELCYKNVNESCIKTPYSPGPRSILYAVLGFGLAFAFGNLLVMIAILHFKQLHTPTNFL
 IASLACADFLVGVTVMPFSTVRSVESCWYFGDSYCKFHCTCFDTSFCFASLFLHCCISVDRIYAVTDPLTY
 PTKFTVSVSGICIVLSWFFSVTYSFISIFYTGANEEGIEELVVALTCVGGCQAPLNQNWVLLCFLFFIPN
 VAMVFIYSKIFLVAKHQARKIESTASQAQSSSESYKERVAKRERKAATLGIAMAAFLVSWLPYL VDAVI
 DAYMNFITPPYVEILVVCVYYNSAMNPLIYAFFYQWFGKAIKLIYSGKVLRTDSSSTTNLFSEEVETD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6118_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175057

ORF Size: 1044 bp

OTI Disclaimer: 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:

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: [NM_175057.3](#), [NP_778227.3](#)

RefSeq Size: 1049 bp

RefSeq ORF: 1047 bp

Locus ID: 134860

UniProt ID: [Q96RI9](#)

Cytogenetics: 6q23.2

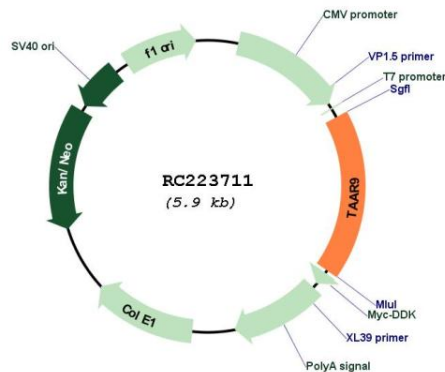
Protein Families: Druggable Genome

Protein Pathways: Neuroactive ligand-receptor interaction

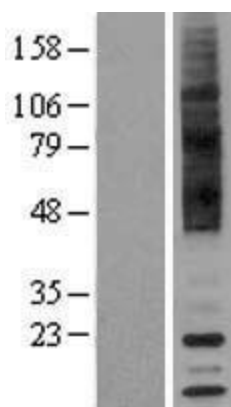
MW: 38.8 kDa

Gene Summary: TAAR9 is a member of a large family of rhodopsin G protein-coupled receptors (GPCRs, or GPRs). GPCRs contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins.[supplied by OMIM, Jul 2005]

Product images:



Circular map for RC223711



Western blot validation of overexpression lysate (Cat# [LY403568]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223711 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).