

Product datasheet for **RR216442**

Wnt7a (NM_001100473) Rat Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Wnt7a (NM_001100473) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Wnt7a |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RR216442 representing NM_001100473 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCCGGAAAGCGCGGCTGCCTGGGCCACCTCTTCTCAGCCTGGGCATAGTCTATCTCCGGATCG
GTGACTTCTCTTCGGTTGTGGCTCTGGGTGCGAGCATCATGTAAACAAGATCCCAGGCCTGGCTCCCAG
ACAGCGGGCAATCTGCCAGAGTCGGCCGACGCCATCATCGTCATAGGAGAAGGCTCCCAAATGGGCCTG
GACGAGTGTCAAGTTTCAGTTCCGCAATGGCCGTTGGAAGTGTTCAGCGCTGGGAGAGCGCACTGTCTTCG
GGAAGGAGCTCAAAGTGGGGAGTCGGGAGGCCCTTACCTATGCAATTATTGCTGCGGGTGTGGCCCA
TGCCATCACCGCTGCCTGCACCCAAGGCAACCTGAGTACTGTGGCTGCGACAAGGAGAAGCAAGGCCAG
TACCACCGGGACGAGGGCTGGAAGTGGGGTGGCTGCTCTGCCGACATCCGCTACGGCATCGGCTTCGCCA
AGGTCTTCGTGGATGCCCGAGAGATCAAGCAGAATGCCGAACCTCATGAACTTACACAATAACGAGGC
AGGCCGGAAGATCCTGGAGGAGAACATGAAACTGGAGTGAAGTGCCATGGCGTGCAGGATCCTGTACC
ACTAAGACGTGCTGGACCACACTGCCACAATCCGAGAGCTAGGCTACGTGCTCAAGGACAAATACAACG
AGGCCGTCCATGTGGAACCTGTCCGTGCCAGTCGGAACAAGCGGCCACCTTTCTGAAGTCAAGAAGCC
CCTGTCTACCGTAAGCCATGGACACTGATCTGGTGTACATCGAGAAGTACCCAACTACTGTGAAGAG
GACCCAGTGACAGGCAGCGTGGGCACACAGGGCCGTGCCTGCAATAAGACAGCCCCTCAGGCTAGTGGCT
GTGACCTCATGTGCTGCGGCCGTGGCTACAACACACACCAGTATGCCCGGTGTGGCAGTGAACCTGCAA
ATTCCACTGGTGTGCTACGTCAAGTGAACACATGCAGCGAGCGCACAGAGATGTATACGTGCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216442 representing NM_001100473
 Red=Cloning site Green=Tags(s)

MTRKARRCLGHLFLSLGIVYLRIGDFSSVVALGASII CNKIPGLAPRQRAICQSRPDAIIVIGEGSQMGL
 DECQFQFRNGRWNCALGERTVFGKELKVGSR EAAFTYAI AAGVAHAITAACTQGNLSDCGCDKEKQGQ
 YHRDEGWKGGCSADIRYIGIFAKVFDAREIKQNARTL MNLHNNEAGRKILEENMKLECKCHGVSGSCT
 TKTCWTTLPQFRELGYVLKDKYNEAVHVEPV RASRNKRPTFLKIKKPLSYRKPMDDLVIYIEKSPNYCEE
 DPVTGSGVTQGRACNKTAPQASGCDLMCCGRGYNTHQYARVWQC NCKFWCCYVKCNTCSERTEMYTCK

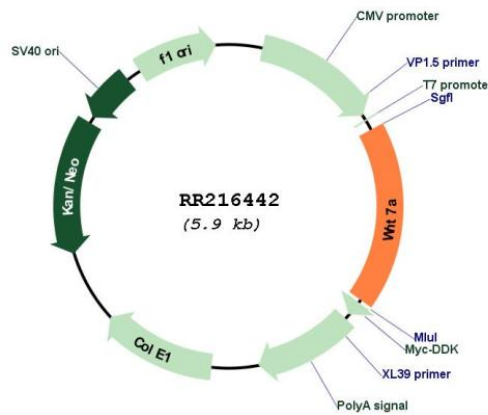
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100473

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|-------------------------------|---|
| ORF Size: | 1047 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: | <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: | NM_001100473.1 , NP_001093943.1 |
| RefSeq Size: | 3150 bp |
| RefSeq ORF: | 1050 bp |
| Locus ID: | 114850 |
| Cytogenetics: | 4q34 |
| MW: | 39 kDa |
| Gene Summary: | mouse homolog plays a role in cerebellar maturation and neuronal plasticity [RGD, Feb 2006] |