

Product datasheet for **RR216470**

Wnt3a (NM_001107005) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Wnt3a (NM_001107005) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Wnt3a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR216470 representing NM_001107005
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGTACAACCTCTGTGTGGTGGTGGTGGTGGTGGCAGAGGTGCTAACACAGCAGCTTAATGACAGGGCAC
TAACAAGTCGGGTTCTTCTCTGGTCCTTGGCTGTGGGACCCAGTACTCCTCACTGAGCACCTCAGCCCAT
TCTCTGTGCCAGCATCCCGGTCTGGTGCCCAAGCAGCTGCCCTTTCGAGGAAGTCCGAGGAGATCATG
CCCAGTGTGGCCGAGGGTGTCAAGGCGGGCATCCAAGAGTGCCAGCACCAGTTCCGAGGCGGGCGTTGGA
ACTGCACCACTGTGAGCAACAGCCTGGCCATCTTTGGCCCCGTTCTGGACAAAGCCACCCGGGAGTCAGC
CTTTGTCCATGCCATCGCTTCCGCTGGAGTGGCCTTCGAGTGACCCGGTCTGTGCAGAGGGATCAGCT
GCCATCTGTGGGTGCAGCAGCCGCTTGCAGGGCTCCCCAGGCGAGGGCTGGAAGTGGGGTGGCTGTAGTG
AGGACATTGAATTTGGAGGAATGGTCTCTCGGGAGTTTGGCGATGCCAGGGAGAACCGGCCGGATGCCCC
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AAATGCCACGGACTATCCGGCAGTTGCGAAGTGAAGACCTGCTGGTGGTTCGAGCCTGACTTCCGCACCA
TCGGGGATTTCTCAAGGACAAGTATGACAGCGCCTCAGAGATGGTGGTAGAGAAACCCGAGAGTCTCG
TGGCTGGGTGGAGACCTTGAGGCCACGTTACACATACTTCAAGGTGCCACAGAGCGCGACCTGGTCTAC
TACGAGGCCTCACCTAATTCTGCGAGCCCAACCCTGAAACCGGCTCCTTCGGGACGCGTGACCCGACCT
GCAATGTGAGCTCGCATGGCATAGACGGGTGCGACCTGTTGTGCTGCGGGCGTGGGCATAACCGCGCGCAC
TGAGCGACGGAGGGAGAAATGCCACTGTGTTTTCCACTGGTGTGTTATGTCAGCTGCCAGGAGTGCACA
CGTGTCTATGACGTGCACACCTGCAAG

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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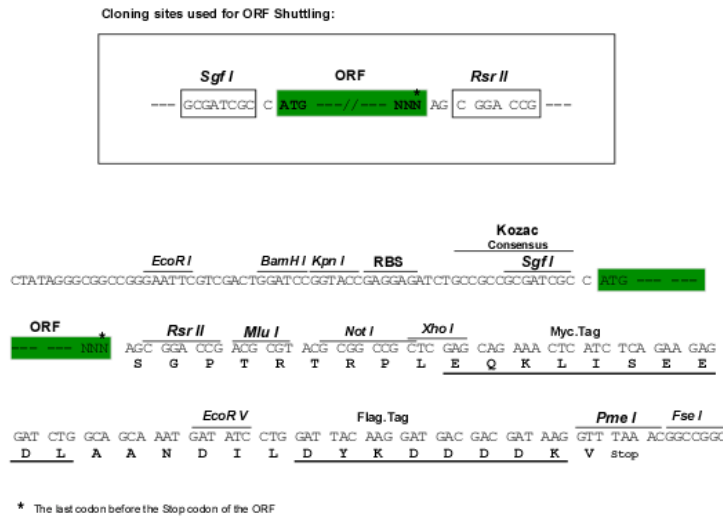
Protein Sequence: >RR216470 representing NM_001107005
 Red=Cloning site Green=Tags(s)

MYNLCVVVVVVAEVL TQQLNDRALTSRVLLWSLAVGPQYSSLSTQPILCASIPGLVPKQLRFCRNYVEIM
 PSVAEGVKAGIQEQHQFRGRRWNCTTVSNLAIFGPVLDKATRESAFVHAIASAGVAFVTRSCAEGSA
 AICGSSRLQGSPEGWKWGGCSEDIIEFGMVSRFADARENRPDARSAMNRHNNEAGRQAIASHMHLKC
 KCHGLSGSCEVKTCWWSQPDFRTIGDFLKDKYDSASEMVVEKHRESRGWVETLRPRYTYFKVPTERDLVY
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 RYVDVHTCK

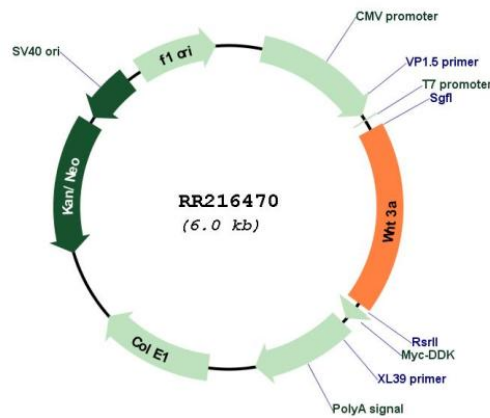
SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107005

ORF Size:	1077 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_001107005.2 , NP_001100475.2
RefSeq Size:	2642 bp
RefSeq ORF:	1080 bp
Locus ID:	303181
Cytogenetics:	10q22
MW:	40.1 kDa