

Product datasheet for **RN209326**

Wnt5a (NM_022631) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wnt5a (NM_022631) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Wnt5a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209326 representing NM_022631 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGAAGCCATTGGAATATTAAGCCAGGAGTGGCTTTGGGACCGCTGGAGGTGCCATGTCTTCCA
AGTTCTTCCTAATGGCTTTGGCCACATTTTCTCCTTCGCCAGGTTGTAATAGAAGCTAATCTTGGTG
GTCCCTAGGTATGAATAACCCTGTTGATGTCAGAAGTATACATCATAGGAGCACAGCCTCTGCGAC
CAACTGGCGGGACTTTCTCAAGGACAGAAGAACTCTGCCACTTGATCAGGACCACATGCAGTACATTG
GAGAAGGCGCGAAGACGGGCATCAAAGAGTGCCAGTACCAGTTCCGGCATCGGAGATGAACTGCAGCAC
AGTGGACAACACTTCTGTCTTTGGCAGGGTGATGCAAATAGGCAGCCGAGAGACAGCCTTACGTACGCG
GTGAGCGCTGCTGGAGTGGTAAATGCCATGAGCCGAGCATGTCGGGAAGGCGAGCTGTCTACCTGTGGTT
GCAGCCGCGCAGCACGCCCAAGGACTTACCTCGGACTGGCTGTGGGCGGTTGCGGGGACAACATCGA
CTATGGCTACCGCTTCGCCAAGGAATTCGTGGACGCACGAGAAAGGGAACGAATCCACGCCAAGGGCTCC
TATGAGAGCGCACGCATCCTCATGAACTGCACAACAATGAAGCAGGTCGCAGGACAGTATACAACCTGG
CAGATGTAGCCTGTAAGTGCCATGGAGTGTCTGGCTCCTGTAGCCTCAAGACATGCTGGCTGCAGCTGGC
GGACTTCCGCAAGGTGGGCGATGCCCTCAAGGAGAAGTATGACAGCGCAGCGGCCATGAGGTTGAACAGC
CGGGGCAAGCTGGTACAGGTCAACAGCCGCTTCAACTCCCAACACGCAGGACCTGGTCTACATCGACC
CAAGTCCGGACTACTGTGTGCGCAACGAGAGCACTGGCTCACTGGGCACGCAGGGACGCCTGTGCAACAA
GACCTCAGAGGGGATGGACGGCTGCGAGCTCATGTGCTGTGGCGTGGCTATGACCAGTTAAGACGGTG
CAGACCGAACGCTGCCATTGCAAGTTTCACTGGTGTGCTATGTCAAGTGTAAAAAGTGCACGGAGATTG
TGGATCAGTTCGTGTGCAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_022631



Insert Size:	1143 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_022631.2</u> , <u>NP_072153.2</u>
RefSeq Size:	5422 bp
RefSeq ORF:	1143 bp
Locus ID:	64566
Cytogenetics:	16p16
Gene Summary:	mouse homolog regulates chondrocyte differentiation and proliferation in longitudinal skeletal growth of long bones [RGD, Feb 2006]