

Product datasheet for **RN201401**

Gsk3a (NM_017344) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gsk3a (NM_017344) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gsk3a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201401 representing NM_017344
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCGGCGCGGGCCCTTCGGGAGGTGGCCCTGGGGGCTCGGGCGGGCGGGACCAGCTCGTTTCGCGG
AGCCAGGCGGCGGAGGCGGAGGCGGTGGCGGCGGCCCGGGGCTCGGCCTCCGGCCAGGAGGCACTGG
CGGCGGAAGGCGTCAGTCGGGGCTATGGTGGGGCGTGGGAGCCTCGAGCTCTGGGGTGGCCCCAGC
GGCAGCGGCGGAGGAGGCGGTCGGCCCGGCGGGGCACTAGCTTCCCGCCGCGGAGTGAAGCTGG
GCCGTGACAGCGGAAGGTGACCACAGTGGTAGCCACTTAGGCCAAGGCCAGAGCGTTCCCAAGAGGT
GGCTTACACCGACATCAAAGTGATTGGCAATGGCTCATTTCGGAGTAGTGTACCAGGCACGGCTGGCAGAA
ACGAGGGAAGTGGCCATCAAGAAGTTCTTCAGGACAAAAGGTTCAAGAACCAGAGCTGCAGATTA
TGCCTAAGCTGGACCACTGCAATATCGTAGGCTGCGGTACTTTTCTACTCCAGTGGGAGAAGAAAGA
TGAGCTGTATTTAAATCTGGTGTGGAATATGTCCCGAGACCGTGTACCGAGTGGCCCGTCACTTTACC
AAGGCCAAGTTGATCATCCCTATCATCTATGTCAAGGTGTACATGTACCAGCTTCCGGAGCTTGGCCT
ACATCCACTCCCAAGGTGTGTGTCACCGTGACATCAAGCCCCAGAATTTGCTTGTGGACCTGACTGTC
TGTCTCAAGCTCTGCGACTTTGGCAGTGCAAAGCAGTTGGTTCCGGGGGAGCCCAACGTGCTTACATC
TGTTCTCGGACTACCGTCTCCGGAGCTCATCTTTGGAGCCACAGATTACACCTCGTCCATCGATGTGT
GGTCAGCTGGCTGTACTGGCTGAGCTGCTTCTTGCCAGCCCATCTTCCCTGGGGACAGTGGGGTAGA
CCAGCTTGTGGAGATCATCAAGTACTAGGACGCCAACCAGGGAGCAAATCCGAGAGATGAACCCTAAC
TACACAGAATTCAGTTCCCCAGATCAAAGTCAACCCCTGGACAAAAGGTGTTCAAATCTCGGACACCAC
CTGAGGCCATCGCACTCTGCTTAGCCTGCTGGAGTACACTCCATCCTCAAGGCTCTCCCACTAGAGGC
CTGTGCCACAGTTTCTTTGATGAAGTGGGAGTCTCGGAACCCAGCTCCCAACAACCGCCGCTTCCC
CCCCTTCAACTTCAGTCTGTGAACTTTCCATCCAACCGTCTCTCAATGCCATTCTCATCCCTCCTC
ACTTGAGTCCCATCAGGCCCTGCTACCTCACCTCGTCTCACAAGCTTTAACTGAGACTCAGACTGG
CCAAGACTGGCAGGCACCTGATGCCACACCTACCTCACTAACTTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017344

Insert Size: 1452 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:

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_017344.1](#), [NP_059040.1](#)

RefSeq Size: 2155 bp

RefSeq ORF: 1452 bp

Locus ID: 50686

UniProt ID: [P18265](#)

Cytogenetics: 1q21

Gene Summary: protein-serine kinase; may mediate hormonal control of several regulatory proteins including glycogen synthase and the transcription factor c-jun [RGD, Feb 2006]