

Product datasheet for **RR206573**

Gsk3b (NM_032080) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gsk3b (NM_032080) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gsk3b
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR206573 representing NM_032080
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGGCGACCGAGAACCACCTCCTTTGCGGAGAGCTGCAAGCCAGTGCAGCAGCCTTCAGCTTTTG
GTAGCATGAAAGTTAGCAGAGATAAAGATGGCAGCAAGTAACCCACAGTGGTGGCAACTCCTGGACAGGG
TCCTGACAGGCCACAGGAAGTCAGTTACACAGACACTAAAGTCATTGGAATGGGTCATTTGGTGTGGTA
TATCAAGCCAAACTTTGTGACTCAGGAGAAGTGGTGGCCATCAAGAAAGTTCTTCAGGACAAGCGATTTA
AGAACCGAGAGCTCCAGATCATGAGAAAGCTAGATCACTGTAACATAGTCCGATTGCGGTATTTCTTCTA
CTCGAGTGGCGAGAAGAAAGATGAGGTCTACCTAACCTGGTGGTGGACTATGTTCCGAAACAGTGTAC
AGAGTCGCCAGACACTATAGTCGAGCCAAGCAGACACTCCCTGTGATCTATGTCAAGTTGTATATGTACC
AGCTGTTCAGAAGTCTAGCCTATATCCATTCTTTGGGATCTGCCATCGAGACATTAACCACAGAACT
CTTGCTGGATCCTGATACAGCTGTATTAAGCTCTGCGACTTTGGAAGTGCAAAGCAGCTGGTCCGAGGA
GAGCCCAATGTTTCATATATCTGTTCTCGGTAACAGGGCACCAGAGCTGATCTTTGGAGCCACCGATT
ACACGTCTAGTATAGATGTATGGTCTGCAGGCTGTGTGTTGGCTGAATTGTTGCTAGGACAACCAATATT
TCCTGGGGACAGTGGTGTGGATCAGTTGGTGGAAATAATAAAGGTCCTAGGAACCAACCAAGGGAGCAA
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CCGGCTAACCACTGGAAGCTTGTGCACATTCATTTTTGATGAATTACGGGACCCAAATGTCAAACCTA
CCAAATGGGCGAGACACCTGCCCTTCAACTTTACCACTCAAGAAGTGTCAAGTAACCCACCTCTGG
CCACCATCCTTATCCCTCCTCACGCTCGGATTCAGGCAGCTGCTTACCAGCTGCAAACGCCACAGCAGC
CTCAGATACTAATGCTGGAGACCGTGGACAGACCAATAACGCCGCTTCTGCATCAGCCTCCAACCTTACC

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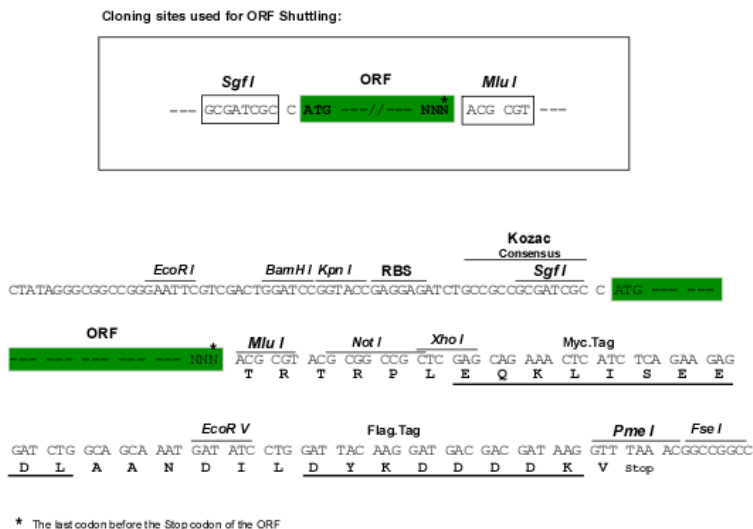
Protein Sequence: >RR206573 representing NM_032080
 Red=Cloning site Green=Tags(s)

MSGRPRTTSFAESCKPVQQPSAFGSMKVS RDKDGSKVTTVVATPGQGPDRPQEVSYTDTKVI GNGSFGVV
 YQAKLCDSGELVAIKKVLQDKRFKNRELQIMRKL DHCNI VRLRYFFYSSGEKKDEVYLN L VLDYVPETVY
 RVARHYSRAKQTL PVIYVKLYMYQLFRSLAYIHSFGICH RDIKPQNLLD PDTAVLKLKLCDFGSAKQLVRG
 EPNVSYICSRYYRAPELIFGATDYTSSIDVWSAGCVLAE LLLGQPIFGD SGVDQLVEI IKVLGTP TREQ
 IREMNPNYTEFKFPQIKAHPWTKVFRPRTPEAIALCSRLLEYTP TARLTPLEACAHSFFDEL RDPNVKL
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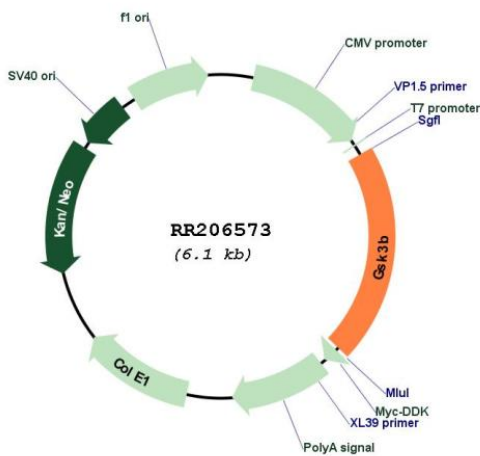
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032080

ORF Size:	1260 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_032080.1 , NP_114469.1
RefSeq Size:	1525 bp
RefSeq ORF:	1263 bp
Locus ID:	84027
UniProt ID:	P18266
Cytogenetics:	11q21
MW:	46.7 kDa
Gene Summary:	mediates Par6-atypical protein kinase C (aPKC) complex regulation of cell polarity; may induce apoptosis [RGD, Feb 2006]