

Product datasheet for **RR201932**

Asb5 (NM_001044247) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asb5 (NM_001044247) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asb5
Synonyms:	MGC114420
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201932 representing NM_001044247 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGGTGTTAGAAGAAAGCCGGCCATTTGCTCAACAGCTATCTAATGTCTATTTTACGATACTCTCCC
TTTTCTGTTTTAACTTTTTGTGAAAATCAGCCTCGCCATCCTTAGTCATTTCTACATCGTGAAAGGCAA
CCGAAAGGAAGCTGCGAGGATAGCCGCTGAGTTTTATGGAGTAAGCCAAGGACAAGGATCCTGGGCAGAT
CGATCACCACCTGCATGAAGCTGCAAGTCAAGTTCGCTCTTCTTGCTCTGAGGACATTATTATCACAAGGTT
ATAACGTAATGCAGTAACTATAGACCATGTCACCTCCACTCCATGAAGCCTGCCTGGGTGACCATGTGGC
ATGTGCAAGGACTCTCCTGGAAGCTGGAGCTAATGCAAACGCAATCACAATAGATGGCGTGACTCCCTTG
TTCAACGCATGCTCACAAGGCAGTGCAAGCTGTGCAGAGCTCCTTTTGGAGTATGGTGCCAAAGCCCAAC
TGGAGTCTGTTTTCCATCTCCAACACATGAGGCTGCCAGCAAAGGTACCATGAATGTCTCAACGTTTTT
GATAGCCTGGGGCGTAGACATTGACCAAGACATTCCTCACTTGGGGACTCCTCTTATGTAGCTTGTGCT
GATGTACACAAGGGCAAGTACTGGGACTCCCTTGATGCTGCTCAACAGCCAGTACCGAAATG
TGAACCTATTGATAGAATTTGGAGCGGACATCAATGCCAAGAACACAGAACTTTTGGCCCTGTGACAT
GGTGACATCTAACAGTGCTGTAGAAAGAATACTTCTTCAACATGAAGCTACTCCAAGCTCTCTTTGCCAA
CTCTGCCGACTCTGCATCCGCAACTACATAGGAAGACAAAGGTTGCATCTTATCCCCAGATGCAGTTAC
CAACATTGCTTCAGAATTTCTTACAGTATCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201932 representing NM_001044247
 Red=Cloning site Green=Tags(s)

MSVLEESRPFAQQLSNVYFTILSLFCFKLFVKISLAILSHFYIVKGNRKEAARIAAEFYGVSSQGQGSWAD
 RSPLHEAASQGRLLALRLLSQGYNVNAVTDHVTPLHEACLGDHVACARTLLEAGANANAITIDGVTPL
 FNACSQGSASCAELLLEYGAKAQLSECFSPSTHEAASKGHHECLNVLIWGVVDIDQDIPHLGTPLYVACA
 DVHKGKYWDTPLHAAAQQPSTEIVNLLIEFGADINAKNTELLRPVDLVTNSAVERILLQHEATPSSLCCQ
 LCRLCIRNYIGRQLHLIPQMQLPTLLQNFLQYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

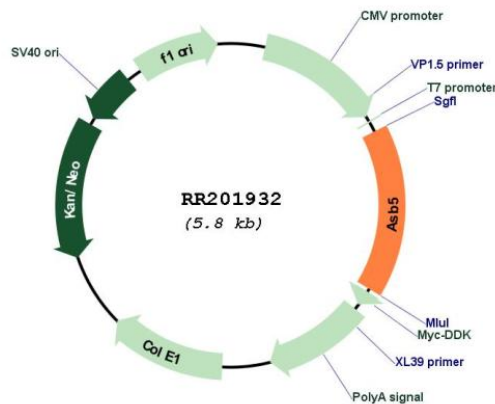
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001044247

ORF Size: 942 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_001044247.1 , NP_001037712.1
RefSeq Size:	1614 bp
RefSeq ORF:	945 bp
Locus ID:	361187
Cytogenetics:	16p11
MW:	34.5 kDa