

Product datasheet for **RR204703**

Asb2 (NM_001011984) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asb2 (NM_001011984) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR204703 representing NM_001011984
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGACTGAGATCTCCACTCGGGGCAGACAGCGTGCCATTGGGCATGAGGAATACAGCCTGTACAGCA
 GCTTGAGTGAGGAGGAGCTGGTCCAGATGGCCATTGAGCAGAGCCTGGCAGACAAGACTCGGGGCCAAC
 CCCTGCTGAGACCTCTGTCTCTCAGACCAACCACCAGCCAGGCCATATCCACCCATGGACCAGGTCC
 TCCTCTCTCCCGAGAGCCACCAGGCCGAGCACCCTGGGCCTGTTCCAAGGGGTATGCAGAAGTATA
 GCAGCAACCTGTTCAAGACCTCCAGATGGCGGCTATGGACCCCGTCTGAAGGCCATCAAGGAAGGGGA
 TGAAGAAGCCTTGAAGGCCATGATCCAGGATGGGAAGAATCTGCAGAGCCCAACAAGGAGGGCTGGCTG
 CCGCTTACGAGGCTGCCTACTATGGCAAGCTGGGCTGCCTGAAAGTCTGCAACGAGCTTACCCAGGGA
 CCATTGACCAGCGTACTGCAGGAAGAGACAGCACTATACCTGGCTACGTGCAGAGAACACCTGGACTG
 CCTCTGTCCCTGCTCCAGGCGGGGCAGAGCCTGACATCTTAACAAATCCAGGGAGACCCCACTTTAC
 AAAGCCTGTGAGCGCAAGAACGCGGAGGCCGTGAGGATATTGGTCAATACAATGCAGACGCCAACACC
 GCTGCAACAGGGGCTGGACGGCCCTGCATGAGTCTGTCTCACGCAATGACCTGGAGGTATGGAGATCCT
 AGTGAGCGGGCGGGCCAAAGGTGGAAGCCAAGAAGCTCTACAGCATTACCCCTTGTGTTGGCTGCCAG
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 GCGCGTCCGCCCTCTACGAGGCTGCAAGAACGAGCATGAAGACGTGGTGGAGTTTCTTCTCTCGCAGGG
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 ACCTGGCGGCCGAGCGCAACCACGACGCGGTGCTGGAGGCGCTGCTGGCCGCGCGCTTTCGACGTGAACAC
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 CCCTGCTCGTGGCCATCCGCCACGGCTGCCTGCGCACCATGCAGCTGCTGTTGGACCATGGTCAAACAT
 CGACGCCATACATCGCCACTACCCCACTGCCTCCCGGCCACCATCATGTTTGCCATGAAGTGCCTTTG
 TTAACAAGTTCTCATGGACCTCGGTTGCGATGGCGAGCCCTGCTTTTCTGCTGTATGGCAACGGGC
 CACACCCACCTGCCCCACGATCCGGCCGCTTCAACGACGCGCCCGTGGACGACAAGGACCCAGCGTGGT
 GCAGTTCTGTGAGTTCTGTGCGCCCGGAAGTGAGCCGCTGGGCGGGACCCATCATCGATGTCCTTCTG
 GACTATGTCGGCAACGTGCAGCTGTGCTCCCGGCTGAAGGAGCACATCGACAGCTTTGAGGACTGGGCTG
 TCATCAAGGAGAAGGCAGAACCTCCAAGACCTCTGGCTCACCTCTGCCGCTGCGGGTTCGGAAGGCCAT
 AGGGAAATACCGATAAAACTCCTGGACACACTGCCCTCCCGGGCAGGCTAATCAGATACCTGAAATAC
 GAGAATACACAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204703 representing NM_001011984
 Red=Cloning site Green=Tags(s)

MSTEISTRGRQRAIGHEEYSLYSSLSEEELVQMAIEQSLADKTRGPTAETSVSSQTNHQPGHIHPWTRS
 SSPPEPPARAPLGLFQGVMMQKYSSNLFKTSQMAAMPVLKAIKEGDDEALKAMIQDGKNLAEPNKEGWL
 PLHEAAYYGKLGCLKVLQRAYPGTIDQRTLQEETALYLATCREHLDCLLSLLQAGAEPDISNKSRETPLY
 KACERKNAEAVRILVQYNADANHRCNRGWTALHESVSRNDLEVMEILVSGGAKVEAKNVYSITPLFVAAQ
 SGQLEALRFLAKHGADINTQASDSASALYEACKNEHEDVVEFLLSQGADANKANKDGLLPLHVASKKGN
 RIVQMLLPVTSRTRVRRSGISPLHLAAERNHDAVLEALLAARFDVNTPLAPERARLYEDRRTSALYFAVV
 NNNVYATELLLLAGADPNRDVISPLLVAIRHGCLRTMQLLLDHGANIDAYIATHPTAFPATIMFAMKCLS
 LLKFLMDLGDGEPFC SCLYGNPHPPAPRSGRFNDAPVDDKAPSVVQFCEFLSAPEVSRWAGPIIDVLL
 DYVGNVQLCSRLKEHIDSFEDWAVIKEKAEP RPPLAHL CRLRVRKAIGKYRIKLLD LPLPGR LIRYLKY
 ENTQ

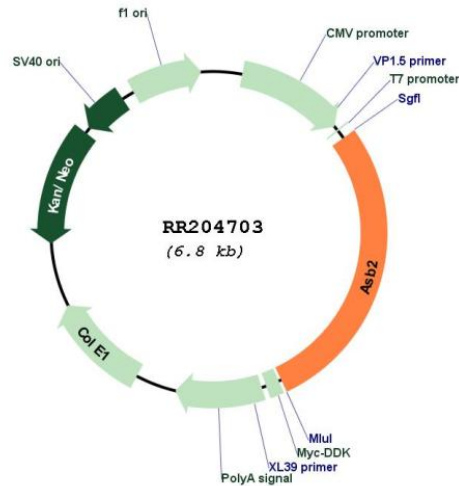
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001011984

ORF Size: 1902 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:

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_001011984.1, NP_001011984.1</u>
RefSeq Size:	2512 bp
RefSeq ORF:	1905 bp
Locus ID:	299266
UniProt ID:	<u>Q5U2S6</u>
Cytogenetics:	6q32
MW:	70.2 kDa
Gene Summary:	Probable substrate-recognition component of a SCF-like ECS (Elongin-Cullin-SOCS-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins.[UniProtKB/Swiss-Prot Function]