

Product datasheet for **RR203205**

Asb4 (NM_001024318) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Asb4 (NM_001024318) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Asb4
Synonyms: Asb-4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203205 representing NM_001024318
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGGCATCACTGCCTCTATGAGCAGAGCTGGGGCTGCCAAGTTAGTTAAGAAAGAGTTCCTGGAGG
CTCTAAAAACAAATGACTTCGAAAAGCTGAAGGCTATTTAATCGAAAGGCAAATAGATGTGGACACAGT
GTTTGAAGTGGAAGATGAGAACATGATTTTGGCATCATACAAACAAGGCTATTGGCTGCCAGTTATAAG
CTGAAGTCTTCTGGGCAACAGGCTGCACCTCTCAGTTTTGCTCGGTACAGTGGAGTGCCTGATGGTAC
TGCTGGACCACAATGCGACCATCAACTGTCGGCCCAACGGGAAGACCCCTCTGCAGTGGCTTGTGAGAT
AGCTAACCTCGAATGCGTGAAGATTCTCTGTGACCGTGGCGCAAAGCTCAACTGCTACTCCCTCAGCGGC
CACACTGCTTTGCACTTCTGTACCACACCCAGCTCCATCGTCTGTGCCAAGCAGTTGGTGTGAGAGGTG
CAAACGTGAACATGAAAACCAACAACCAGGATGAGGAGACACCCCTGCACACGGCGGCCCACTTCGGCT
CTCTGAGCTGGTGGCCTTCTATGTGGAGAACGGGGCCATCGTGGATAGCATGAACGCCACATGGAGACC
CCACTGGCCATCGCCACCTACTGGGCCCTGCGCTTCAAGGAGCAGGAGTACAGCAGGGAACACCACCTCA
TCTGCCGTATGCTTCTAGACAACAACGCTGAGGTCAACGCTCGGGATGACGACTTCAAGTCCCCTCTGCA
CAAGGCTGCCTGGAATTGCGACCACGTGCTCATGCACATGATGCTGGAGCGGGTGGGAGGCCAACCTC
ATGGATATCAATGGCTGTGCAGCCATCCAGTACGTGCTGAAGGTCACCTCCGTGCGTCTCTGTCGCAGC
CCGAGATCTGCTACCAGCTGCTGCTGAATCACGGGGTGCAGCGCATCTACCCCCACAGTCCACAAGGT
GATCCAGGCTTGCCACTTTGTCCCAAGGCAATTGAAGTTGTGGTCAATGCCTACGAGCACATCAGATGG
AACATAAAGTGGAGGAGGCCATTCTGATGACGACCTGGAGAAACACTGGGATTTCTACCCTCTCTCT
TCAAGGTGTGCTGTAACACTCCCAGGACCTCATGCACCTGTCAAGATGTGCCATTGAAAAGCGTTACA
CAACAGATGCCACAAAGCAATTCCTATGCTGTCCTCCCACTGTCATTGAAGAAGTACTGCTTTGGAG
CCAGAGGGAATCATTAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203205 representing NM_001024318
 Red=Cloning site Green=Tags(s)

MDGITASMSRAGAAKLVKKEFLEALKTNDFEKLKAILIERQIDVDTVFEVEDENMILASYKQGYWLP
 SYK LKSSWATGLHL SVLLGHVECLMVLLDHNATINCRPNGKTPLHVACEIANLECVKILCDRGAKLNCYSLSG
 HTALHFCTTPSSIVCAKQLVSRGANVNMKTNNQDEETPLHTAAHFGLSELVAFYVENGAIVDSMNAHMET
 PLA IATYWALRFKEQEYSREHHLICRMLLDNNAE VNRDDDFK SPLHKAAWNCDHVL MHHMLEAGAEANL
 MDINGCAA IQYVLKVTSVRPAAQPEICYQLLLNHGAARIYPPQFHKVIQACHSCPKAIEVVVNAYEHIRW
 NIKWRRRAIPDDDL EKHWDFYHSLFKVCCNTPRTL MHL SRCAIRKALHNRCHKAIPMLSLPLSLKKYLLLE
 PEGIIY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

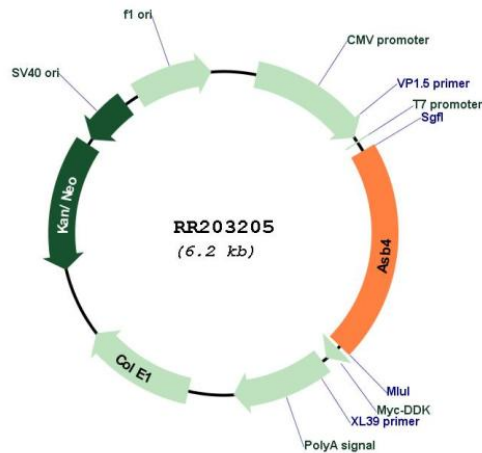
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001024318

ORF Size:	1278 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_001024318.1 , NP_001019489.1
RefSeq Size:	1509 bp
RefSeq ORF:	1281 bp
Locus ID:	500017
Cytogenetics:	4q13
MW:	48.2 kDa