

## Product datasheet for **RR215696**

### Asb18 (NM\_001108231) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asb18 (NM_001108231) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asb18
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR215696 representing NM\_001108231  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGCTGGGACCCGCCACCAGATTACCCCTCAGCTCAGACTTAGTGAGGAGATTAAGTCTGCTC  
 TGGCCACTGGGGACCGGACACTGTGCAGGAGCTGATCTGCACTGAGGTGGAGCCCGTGGATGCCGTGCT  
 AGAGCTCGCTAATGACGACTGGATGAAGGAGCCCTCAGCCAAGCTGCCACAGGCGCATTGCTAGGAGAC  
 CTGGACCATATTCAGTCCCTCACGGACCAGTGCTTCTGGGATGCCAACGTGGTGTTCGAGATCAGTACTG  
 AAGAGATGGAATGGCAGGTGACATCCCTGGCCACCTTTGGGCTCTCAGGCCTTTGGACCCTGGAGTACAA  
 GCGGGAGCTCACACGCCGCTGTGCATCGCTGCGGCCACGGCCACGAGTCTGCGTGAGACACCTGCTC  
 AGTCGCAAAGCTGACCCGGATGTAGCCCCGAGGTCGTGGTGCCTACATGAGGCCTGTCTCGGGAGCC  
 ATACTGCCTGCGCTCGGCTGCTGCTGCAGCACGGAGCAGACCCAGATCTGCTCAGCTCGGAGGCCCTGGC  
 ACCCTGCACCTATGCCGCACACCAGCCTCGCTTGGGTGCGCTCAGGAGCTGCTGGAGCACGGCGCGACA  
 GTCAGCTGGAGGTGGCCCAACCGAGACACACCGCTACACGTGGCAGCCAGCGCGGCCCTGGACAAC  
 ACGCGCAACTCTATCTGGGCTGTGGCGCGCGCTGGACGCGAGGAACGGCCGCGGCGAGACGGCCCTAAG  
 CGCAGCGTGCGGAGCGCGCGCGGAGCCCTGAGGAGCACGCGCGCTGCCTGCGCCTGTGCGCGCTCCTC  
 CTGCGCGCGCGCGCAGCGACAGACATGCGGGACGAGGACGAGCGCAGCCCGCTGCACAAGGCTGCGGCC  
 ACGCGCGCCCCGGCTGTGCACGCTCCTACTGCGGAACGGCGCGGACGCGGACGCGCTCGACTACGGTGG  
 CGCGTCCCCGTAGCGCGCGCCCTGCAGACGGCCACGTGCGCGCCCCGACAGCGCCGACGCGCACTGTC  
 CAGGCGCTACTAAATCACGGATCCCGCTCCGTGTGGCCTGATGCCTTCCCAAGGTGCTGAGGACATGTG  
 CGCCGGTGCCCGCTGTCATTGAAGTTCTGTTCACTCTACACTCAGCTCCGAGTGTCCGAGTCTCTGGAG  
 GGAGGCCATCCCTGAAGAAGTATACCAGATGCACAAGCCTTTCTACAGGTCTCTCTTCGCTTGGCACAC  
 ACCCTCGCTGCCTGCAACACTTTTCCGCTGTGCCATCCGAAAACCTTTTGGCAAGGAGTGCAATTCACC  
 TTGTGCCCCAGCTACCGTACCAGACCTGCAAAATTACCTGCTTTTGGAGCCAGAGGTGTTTTGCG  
 T

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR215696 representing NM\_001108231  
 Red=Cloning site Green=Tags(s)

MSGWPPPDYPLSSDLVRRLKSALATGDRDTVQELICTEVEPVDAVLELANDDWMKEPSAKLPTGALLGD  
 LDHIQSLTDQCFWDANVFEISTEEMEWQVTSLATFGLSGLWTLEYKRELTTPLCIAAAHGHESCVRHLL  
 SRKADPDASPGGRGALHEACLSHTACARLLLQHGADPDLLSSEGLAPLHLCRTPASLGCAQELLEHGAT  
 VQLEGGPNRDTPLHVAAQRGLDKHAQLYLGGARVDARNRGETALSAACGAAARSPEEHARCLRLCALL  
 LRGAATDMRDEDEERSPLHKACGHARPGLCTLLLRNGADADALDYGGASPLARALQTATCAPPTAPQRTV  
 QALLNHGSRSVWPDAPFKVLRTCAPVPAVIEVLFNSYTLRVSESWREAIPEEVYQMHKPFYRSLFALAH  
 TPRCLQHFCRAIRKLFGKECIHLVPLPETLQNYLLLEPEGVLR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001108231

**ORF Size:** 1401 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:** [NM\\_001108231.1](#), [NP\\_001101701.1](#)

**RefSeq Size:** 1524 bp

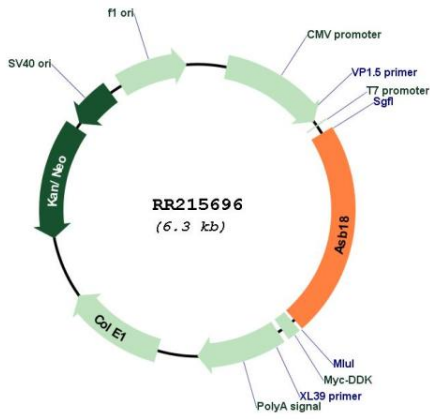
**RefSeq ORF:** 1404 bp

**Locus ID:** 316614

**Cytogenetics:** 9q36

**MW:** 50.8 kDa

Product images:



Circular map for RR215696