

## Product datasheet for MR220308

### Asb9 (NM\_027027) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asb9 (NM_027027) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asb9
Synonyms:	1700011M07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR220308 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGATGGTGAACAAAGGGGCAGGAGTGACAGGCCAGGAGGCTCTCTCACCTACCATTCTTTCAAACC  
CGTTGATGGGAGATGTAGTGTCTGACTGGTCTCCTTTCATGATGCTGCAATCCACGGATGTCTGCTGAC  
CCTGAGGAACCTTATCAGCCAGGGTTGGCCTGTAACATCATCACAGCAGATCACGTGTCTCCCCTCCAT  
GAAGCATGCCTCAGAGGTCACCTGTCTGTGCAAGTGTGTTACTAAGTCATGGAGCTCAGGTGAATGGCA  
TGACCATAGACTGGCGAACTCCCTTGTTAATGCATGTGTGTCAGCGGCAGTCAGGACTGTGTGAATCTGCT  
GCTACAGCATGGAGCCACTCCCCACCCTGAGACTGAGCTGGCCTCTCCATCCATGAGGCTGCTAAAAGA  
GGATATGTGAAATGCATTGAGTCCCTCGCAGCTCATGGGGCCAATATTGACTATAACATCAGCCATCTCG  
GAACACCTCTGTATGTGGCTTGTAAAAACCAGCAAGTAGCCTGTGCCAAGAAGCTCCTAGAATCAGGAGT  
ATCTGTGAATCAAGGCAAGGCTTGATTCTCCTTTCACGTAGTGGCCAGGATGTCCAGTGTGGAGCTG  
GTGCATCTGCTCATGGATTTCCGAGCAAACGCTCAAGCCAAGAATGCTGATGGCAAACGTCCTGTGGACC  
TGGTGCCTCTGGAGAGTCCTTTGATCCAGATCTTCTTGCAGAATGAAGGACCCAGTCTTTGAGGCAGCT  
ATGCCCGCTGAGAATCCGAAATGCTTTGGCATTCCGACAGCATATAAGATTTCTGAGCTCTCTCCCG  
GAAGACCTGAAGCGCTTCTTTTACACCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR220308 protein sequence  
Red=Cloning site Green=Tags(s)

MDGEQRGRSDRPGGSPHLPFLSNPLMGDVVSDWSPLHDAAIHGCLLTRNLI SQGWPNII TADHVSPLH  
 EA CLRGHLS CASVLL SHGAQVNGMTIDWRTPLFNACVSGSQDCVNLLLQH GATPHPETELASPIHEAAKR  
 GYVKCIESLA AHGANIDYNI SHLGTPL YVACKNQVACAKKLL ESGVSVNQKGLD SPLHV VARMSSVEL  
 VHLLMDFGANAQAKNADGKR PVDLVPLESPLIQIFLQNEGPQSLRQLCRLRIRKCFGIRQH HKISELLLP  
 EDLKRFLHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_027027

**ORF Size:** 873 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\\_027027.2](#), [NP\\_081303.1](#)

**RefSeq Size:** 1128 bp

**RefSeq ORF:** 873 bp

**Locus ID:** 69299

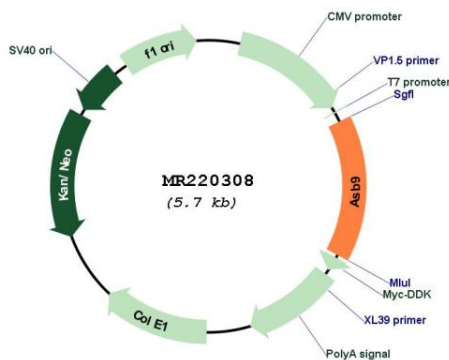
**UniProt ID:** [Q91ZT8](#)

**Cytogenetics:** X F5

**MW:** 31.7 kDa

**Gene Summary:** 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. Recognizes at least two forms of creatine kinase, CKB and CKMT1A (By similarity).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR220308