

## Product datasheet for **MC203478**

### **Asb4 (NM\_023048) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Asb4 (NM_023048) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Asb4
Synonyms:	8430401O13Rik; AV117194; AW060255
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC054745  
 GATCCCTATATAAATAGAACGGGTGCTGCTCTCCTGATAAAATCATTGCTCCGCTTCCACAGGGCTCCGAGGAT  
 AGCCTTGCTGTGTGCTGGGTGCTGCTCTCCTGATAAAATCATTGCTCCGCTTCCACAGGGCTCCGAGGAT  
 GGACGGCATCACTGCCCTATCAGCAAAGCTGGAGCTGCCAAATAGTTAAGAAAAGATTTCTGGAGGCT  
 CTA AAAACAAATGACTTCGGAAAACCTGAAGGCTATTTTAAATCGAGAGGCAAAATAGATGTGGACACAGTGT  
 TTGAAGTTGAAGATGAGAACATGATTTTGGCATCTTACAACAAGGCTATTGGTTGCCAGTTATAAGCT  
 GAAGTCTTCTGGGCCACAGGCCTGCATCTGTCACTTTTGGCTTGGTCATGTGGAGTGCCTGATGGTACTG  
 CTGGACCACAATGCTACCATCAACTGTCGTCCCAACGGGAAGACCCTCTGCACGTGGCTTGTGAAATCG  
 CCAACCTCGAGTGCCTGAAGATTCTCTGTGACCGTGGCGCAAAGCTCAACTGCTACTCCCTGAGTGGGCA  
 CACTGCTTTGCACTTCTGCACCACACCGAGCTCCATCCTCTGTGCCAAGCAGTTGGTGTGAGAGGTGCA  
 AACGTAACATGAAAACCAACAACCAGGATGAAGAGACACCCCTGCACACGGCGGCCACTTCGGCCTCT  
 CTGAGCTGGTTGCCTTCTACGTGGAGAACGGGGCCATCGTGGATAGCATGAACGCCACATGGAGACCCC  
 ACTGGCCATTGCCACCTACTGGCCCTGCGCTTCAAGGAGCAGGAGTACAGCAGGGAACACCACCTCATC  
 TGCCGCACCTGTGGACAACAACGCCGAGGTCAACGCTCGTGATGATGATTTCAAGTCCCCTCTACACA  
 AGGCTGCCTGGAATTGCGACCACGTGCTCATGCACATGATGCTGGAGGCAGGAGTGGAGGCAACCTCAT  
 GGATATCAATGGCTGTGCGCTATCCAGTACGTGCTGAAGGTCACTCCGTGCGTCTGTGCACAGCCT  
 GAGATCTGCTACCAGCTGCTGCTGAACCACGGGCTGCGCGCATCTACCCCCACAGTTCACAAGGTGA  
 TCCAGGCTTGCCACTCTTGCCTGAAAGCCATTGAAGTTGTGGTCAATGCCTATGAACACATTCGATGGAA  
 CATAAAGTGGAGACGAGCCATTCCTGATGATGACTTGGAGAAACTGGGATTTTACCCTCTCTCTTC  
 AAGGTGTGCTGCAACACCCCAAGCCCTCATGCACCTGTCAAGATGTGCCATTGAAAAGCGCTACACA  
 ACAGATGCCACAAAGCAATCCCTATGCTGTCCCTCCACTGCCGTTGAAGAAGTACCTGCTTTTGGAGCC  
 AGAGGGAATCATTACTAAGTCTTAGGAGACAACAGTTGCCAATCCTAGATTTCTAAGGGACTCACTGG  
 GTAGACGCAGTTTGCATGGATAAAATGGTCTTGGGTTGGTTATCACACTTTAGGGATTTAAAACACTT  
 TACAAACCAAGCCATTAATCCTAGAGTAGTATGCTGAGGAAAATAAGCGAGAAATGTTAAAGAATTT  
 TCAGACACAATGGCTACATTTAGAAGGCAGATACTATTATAGTAGCTCATGTGACAACATACAGTGACAA  
 CTTTTATTAGGTGCCTGATGTAATTTGTAATTTGTAATTTGTTACATATGATTTTCTCAAAAAGGGACCCACATT  
 TTCTTATAACCAATCTCATTCACTACATTATCAGTAATACGTTTACATGATTTGTTTGGTTGCAATGTAG  
 CAGGTTTTGTGAGTGACCGCTTAAGCTTGGTGTCTCCACCAGTGACTATTGAGGAGACATTACTGTTAC  
 TAGTTTTAGAAACGCCTTCTCCCAAATCAAAGTATCCACTCCTTTTGGTGACAAATGCACAGGAGTAC  
 AGTGGGAACAAGATCTTTGAGTCTAGATAGAAAAAGAAGGAAGAGCAGTTTACTTTATAGCCTAGGAAT  
 AGACATTTCAACACACTGAGCCAGACACTGGAGGCCGAGATGGACCTCCAGGGTTGAATGTTTAAAGG  
 GGATCCAAACATACGAGCAGATGACTGCTGATGAAGTATGGGGCAGGAGTACAGGTGCAAACTCATAT  
 GACTGCTTAACCTTTCTGAAGTGTGCTCTGACTTGAAGTGCCTGATTTATTTATTTTATTTTATTTTAA  
 CCATGAAGACAAAGCAGGAGTACTGTTTAGAGGAACCTGCTACTATTGGAGTAAATGTCTTTGAATTTT  
 TCCAGACTATTGAGATAGTGTTTATTTTGTGTGGTTTCTGATTTTATGACCTTTCCAGAGTCTGAGAA  
 AAAATATTCTACTCCAGCTCTCATGTAGACGAGAAAGAAATTTGAGGAAGTTTTTAGGCAAAAGCAGT  
 TGTAAGAGAACGTCTTAATTGATTTTCTTGGTGTTCATGGAACAGGTAGACAGTTTAGAGTATTTTA  
 GCTGATAGAAAAGAACTTGCCTTTAACAGTGGCTCCCTCAGTTGGAAAAAAGAAAGAAAAA AAAAAAAAAA

- Restriction Sites:** Ascl-NotI
- ACCN:** NM\_023048
- Insert Size:** 1281 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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:** [BC054745](#), [AAH54745](#)

**RefSeq Size:** 2601 bp

**RefSeq ORF:** 1281 bp

**Locus ID:** 65255

**UniProt ID:** [Q9WV71](#)

**Cytogenetics:** 6 1.99 cM

**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. Promotes differentiation and maturation of the vascular lineage by an oxygen-dependent mechanism.[UniProtKB/Swiss-Prot Function]