

## Product datasheet for **MR206797**

### **Asb4 (NM\_023048) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Asb4 (NM_023048) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asb4
Synonyms:	8430401O13Rik; AV117194; AW060255
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR206797 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACGGCATCACTGCCCTATCAGCAAAGCTGGAGCTGCCAAATTAGTTAAGAAAGATTTCTGGAGG  
 CTCTAAAAACAAATGACTTCGGAACAACTGAAGGCTATTTAATCGAGAGGCAAATAGATGTGGACACAGT  
 GTTTGAAGTTGAAGATGAGAACATGATTTTGGCATCTTACAAACAAGGCTATTGGTTGCCAGTTATAAG  
 CTGAAGTCTTCTGGGCCACAGGCTGCATCTGTGAGTTTGGTTCATGTGGAGTGCCTGATGGTAC  
 TGCTGGACCACAATGCTACCATCAACTGTCGTCACCGGAAGACCCCTCTGCACGTGGCTTGAAAT  
 CGCCAACCTCGAGTGGTGAAGATTCTGTGACCGTGGCGCAAAGCTCAACTGCTACTCCCTGAGTGGG  
 CACACTGCTTTGCACTTCTGCACCACCCGAGCTCCATCTCTGTGCCAAGCAGTTGGTGTGAGAGGTG  
 CAAACGTAACATGAAAACCAACAACCAGGATGAAGAGACACCCCTGCACAGGGCGGCCACTTCGGCT  
 CTCTGAGCTGGTTGCCTTCTACGTGGAGAACGGGGCCATCGTGGATAGCATGAACGCCACATGGAGACC  
 CCACTGGCCATTGCCACCTACTGGGCCCTGCGCTTCAAGGAGCAGGAGTACAGCAGGGAACACCACCTCA  
 TCTGCCGACCCTGCTGGACAACAACGCCGAGGTCAACGCTCGTGATGATGATTTCAAGTCCCCTCTACA  
 CAAGGCTGCCTGGAATTGCGACCACGTGCTCATGCACATGATGCTGGAGGAGGAGCTGAGGCCAACCTC  
 ATGGATATCAATGGCTGTGCCGCTATCCAGTACGTGCTGAAGGTACCTCCGTGCGTCTGCTGCACAGC  
 CTGAGATCTGCTACCAGCTGCTGCTGAACCACGGGGCTGCGCGCATCTACCCCCACAGTTCCACAAGGT  
 GATCCAGGCTTGGCACTTTGCCGAAAGCCATTGAAGTTGTGGTCAATGCCTATGAACACATTCGATGG  
 AACATAAAGTGGAGACGAGCCATTCTGATGATGACTTGGAGAAACACTGGGATTTTACCACTCTCTCT  
 TCAAGGTGTGCTGCAACACCCCCAGAACCCTCATGCACCTGTCAAGATGTGCCATTCGAAAAGCGCTACA  
 CAACAGATGCCACAAGCAATCCCTATGCTGTCCCTCCCACTGCCGTTGAAGAAGTACCTGCTTTGGAG  
 CCAGAGGAATCATTAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR206797 protein sequence  
 Red=Cloning site Green=Tags(s)

MDGITAPISKAGAAKLKKDFLEALKTNDFGKLKAILIERQIDVDTVFEVEDENMILASYKQGYWLP  
 SYK LKSSWATGLHLSVLLGHVECLMVLLDHNATINCRPNGKTPLHVACEIANLECVKILCDRGAKLNCYLSG  
 HTALHFCTTPSSILCAKQLVLRGANVNMKTNNQDEETPLHTAAHFGLSELVAFYVENGAIVDSMNAHMET  
 PLAIATYWALRFKEQEYSREHHLICRLLDNNAEVDNARDDFKSPLHKAAWNCDHVLMMHMLEAGAEANL  
 MDINGCAAIQYVLKVTSVRPAAQPEICYQLLLNHGAARIYPPQFHKVIQACHSCPKAIEVVVNAYEHIRW  
 NIKWRAIPDDDLKHWDFYHSLFKVCCNTPRTLMLHSRCAIRKALHNRCHKAIPLSLPLPKKYLLE  
 PEGIIY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



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

**ACCN:** NM\_023048

**ORF Size:** 1281 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\\_023048.5](#), [NP\\_075535.1](#)
**RefSeq Size:** 3286 bp

**RefSeq ORF:** 1281 bp

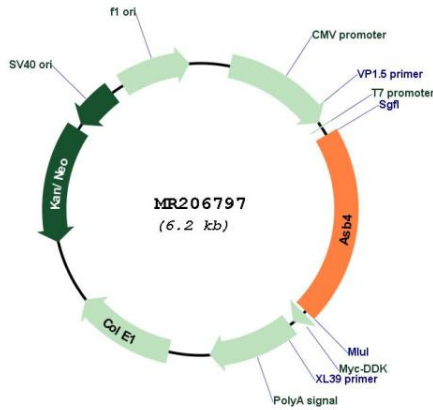
**Locus ID:** 65255

**UniProt ID:** [Q9WW71](#)
**Cytogenetics:** 6 1.99 cM

**MW:** 48.1 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. Promotes differentiation and maturation of the vascular lineage by an oxygen-dependent mechanism.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR206797