

Product datasheet for **MG206797**

Asb4 (NM_023048) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asb4 (NM_023048) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asb4
Synonyms:	8430401O13Rik; AV117194; AW060255
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206797 representing NM_023048 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGCATCACTGCCCTATCAGCAAAGCTGGAGCTGCCAAATTAGTTAAGAAAGATTTCTGGAGG
CTCTAAAAACAAATGACTTCGAAAACCTGAAGGCTATTTAATCGAGAGGCAAATAGATGTGGACACAGT
GTTTGAAGTTGAAGATGAGAACATGATTTGGCATCTTACAAACAAGGCTATTGGTTGCCAGTTATAAG
CTGAAGTCTTCTGGGCCACAGGCTGCATCTGTCAGTTTGGCTGGTCACTGGAGTGCCTGATGGTAC
TGCTGGACCACAATGCTACCATCAACTGTCGTCACCAACGGGAAGACCCCTCTGCACGTGGCTTGAAAT
CGCAACCTCGAGTGCCTGAAGATTCTCTGTGACCGTGGCGCAAAGCTCAACTGCTACTCCCTGAGTGGG
CACACTGCTTTGCACTTCTGCACCACACCGAGCTCCATCCTCTGTGCCAAGCAGTTGGTGTGAGAGGTG
CAAACGTAACATGAAAACCAACAACAGGATGAAGAGACACCCCTGCACACGGCGGCCACTTCGGCT
CTCTGAGCTGGTTGCCTTCTACGTGGAGAACGGGGCCATCGTGGATAGCATGAACGCCACATGGAGACC
CCACTGGCCATTGCCACCTACTGGGCCCTGCGCTTCAAGGAGCAGGAGTACAGCAGGGAACACCACCTCA
TCTGCCGACCCTGCTGGACAACAACGCCGAGGTCAACGCTCGTGATGATGATTTCAAGTCCCCTTACA
CAAGGCTGCCTGGAATTGCGACCAGTGTCTCATGCACATGATGCTGGAGGCAGGAGCTGAGGCCAACCTC
ATGGATATCAATGGCTGTGCCGCTATCCAGTACGTGCTGAAGTCACTCCGTCCGCTCTGCTGCACAGC
CTGAGATCTGCTACCAGCTGCTGCTGAACCACGGGGCTGCGCGCATCTACCCCCACAGTCCACAAGGT
GATCCAGGCTTGCCACTTGTGCCGAAAGCCATTGAAGTTGTGGTCAATGCCTATGAACACATTCGATGG
AACATAAAGTGGAGACGAGCCATTCTGATGATGACTTGGAGAAACACTGGGATTTTACCCTCTCTCT
TCAAGGTGTGCTGCAACACCCCAAGACCTCATGCACCTGTCAAGATGTGCCATTGAAAAGCGCTACA
CAACAGATGCCACAAAGCAATCCCTATGCTGTCCCTCCCACTGCCGTTGAAGAAGTACCTGCTTTGGAG
CCAGAGGGAATCATTTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206797 representing NM_023048
 Red=Cloning site Green=Tags(s)

MDGITAPISKAGAAKLKKDFLEALKTNDFGKLKAILIERQIDVDTVFEVEDENMILASYKQGYWLP
 SYK LKSSWATGLHLVLLGHVECLMVLLDHNATINCRPNGKTPHVACEIANLECVKILCDRGAKLNCY
 LSG HTALHFCTTPSSILCAKQLVLRGANVNMKTNNQDEETPLHTAAHFGLSELVAFYVENGAI
 VDSMNAHMET PLAIATYWALRFKEQEYSREHHLICRTLLDNNAEVDNARDDDFKSPLHKA
 AWNCDHVLMHMMLEAGAEANL MDINGCAAIQYVVKVTSVRPAAQPEICYQLLLNHGAARI
 YPPQFHKVIQACHSCKPAIEVNVNAYEHIRW NIKWRRATPDDDLKHWDFYHSLFKVCCN
 TPRTLMLHLSRCAIRKALHNRCHKAIPLSLPLPKKYLLLE PEGIIY

TRTRPLE - GFP Tag - V

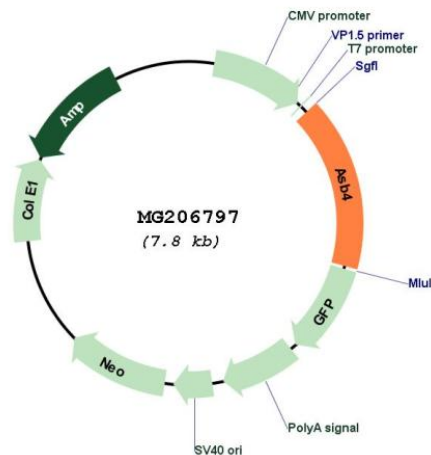
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_023048

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_023048.5 , NP_075535.1
RefSeq Size:	3286 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]