

Product datasheet for **MG220308**

Asb9 (NM_027027) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asb9 (NM_027027) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asb9
Synonyms:	1700011M07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220308 representing NM_027027 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGGTGAACAAAGGGGCAGGAGTGACAGGCCAGGAGGCTCTCCTCACCTACCATTCTTTCAAACC
CGTTGATGGGAGATGTAGTGTCTGACTGGTCTCCTCTTCATGATGCTGCAATCCACGGATGTCTGCTGAC
CCTGAGGAACCTTATCAGCCAGGGTTGGCCTGTAAACATCATCACAGCAGATCACGTGTCTCCCTCCAT
GAAGCATGCCTCAGAGGTCACCTGTCTGTGCAAGTGTGTTACTAAGTCATGGAGCTCAGGTGAATGGCA
TGACCATAGACTGGCGAACTCCCTTGTTAATGCATGTGTGAGCGGCAGTCAGGACTGTGTGAATCTGCT
GCTACAGCATGGAGCCACTCCCCACCCTGAGACTGAGCTGGCCTCTCCATCCATGAGGCTGCTAAAAGA
GGATATGTGAAATGCATTGAGTCCCTCGCAGCTCATGGGGCCAATATTGACTATAACATCAGCCATCTCG
GAACACCTCTGTATGTGGCTTGTAACCAAGCAAGTAGCCTGTGCCAAGAAGCTCCTAGAATCAGGAGT
ATCTGTGAATCAAGGCAAGGCTTGATTCTCCTCTTCACGTAGTGGCCAGGATGTCCAGTGTGGAGCTG
GTGCATCTGCTCATGGATTTGGAGCAAACGCTCAAGCCAAGAATGCTGATGGCAAACGCTCTGTGGACC
TGGTGCCTCTGGAGATCCTTTGATCCAGATCTTCTTGAGAATGAAGGACCCAGTCTTTGAGGCAGCT
ATGCCGCTGAGAATCCGAAATGCTTTGGCATTCCGACGATCATAAGATTTCTGAGCTCCTCTCCCG
GAAGACCTGAAGCGCTTCCTTTACACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220308 representing NM_027027
 Red=Cloning site Green=Tags(s)

MDGEQRGRSDRPGGSPHLPFLSNPLMGDVVSDWSPLHDAAIHGCLLTRNLI SQGWPNIIITADHVSPLH
 EACLRGHLSCASVLLSHGAQVNGMTIDWRTPLFNACVSGSDCVNLLLQHGATPHPETELASPIHEAAKR
 GYVKCIESLAAHGANIDYNISHLGTPLYVACKNQVACAKKLL ESGVSVNQKGLDSPLVHVVARMSSVEL
 VHLLMDFGANAQAKNADGKRPVDLVPLESPLIQIFLQNEGPQSLRQLCRLRIRKCFGIRQHHKISELLLP
 EDLKRFLHL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_027027

ORF Size: 870 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_027027.2](#), [NP_081303.1](#)

RefSeq Size: 1128 bp

RefSeq ORF: 873 bp

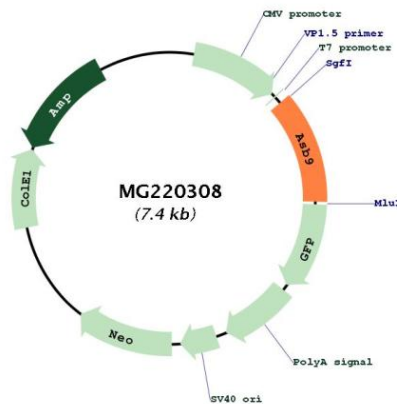
Locus ID: 69299

UniProt ID: [Q91ZT8](#)

Cytogenetics: X F5

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 MG220308