

## Product datasheet for **MR224555**

### Asb2 (NM\_023049) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asb2 (NM_023049) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asb2
Synonyms:	1110008E15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR224555 representing NM\_023049  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGACTGAGATCTCCACTCGGGGCAGACAACGTGCCATCGGACATGAGGAATACAGCCTATACAGCA  
GCCTGAGCGAGGAGGAGCTGCTCCAGATGGCCATCGAGCAGAGCCTGGCAGACAAGACTCGGGGCCGAC  
CCCTGCTGAGGCCTCCGCGTCTCTCAGACCAACCACCAGCCAGGACATTTCCACCCATGGACCAGGTCC  
CCTTCGCTCCCGAGAACCACCGGCCCGCGCACCCCTGGGTCTGTTCCAAGGGGTATGCAGAAGTATA  
GCAGCAACCTGTTCAAGACCTCCAGATGGCGGCTATGGACCCCGTCTGAAGGCCATCAAGGAAGGGGA  
TGAAGAGGCTTGAAGATCATGATCCAGGATGGGAAGAATCTGCAGAGCCCAACAAGGAGGGCTGGCTG  
CCGCTCCACGAGGCTGCCTACTATGGCCAGCTGGGCTGCCTGAAAGTCTGCAGCAAGCCTACCCAGGGA  
CCATTGACCAACGCACACTGCAGGAAGAGACAGCATTATACCTGGCCACATGCAGAGAACACCTGGATTG  
CCTCCTGTCGCTGCTCCAGGCGGGGCAGAGCCTGACATCTTAACAAATCCAGGGAGACTCCACTTTAC  
AAAGCCTGTGAGCGCAAGAACCGCGAGGCGGTGAGGATATTGGTGCATACAACGCAGACGCCAACCACC  
GCTGTAACAGGGGCTGGACCGCACTGCACGAGTCTGTCTCCCGCAATGACCTGGAGGTATGGAGATCCT  
AGTGAGTGGCGGGCCAAAGTGGAGGCCAAGAATGTCTACAGCATCACCCCTTTGTTGTGGCTGCCAG  
AGTGGGACGCTGGAGGCCCTGAGGTTCTGGCCAAAGCATGGTGCAGACATCAACACGCAGGCCAGTGACA  
GTGCATCAGCCCTCTACGAGGCCAGCAAGAATGAGCATGAAGACGTGGTAGAGTTTCTTCTCTCAGGG  
CGCCGATGCTAACAAAGCCAACAAGGACGGCCTGCTCCCCTGCATGTTGCCTCCAAGAAGGGCAACTAT  
AGAATAGTGCAGATGCTGCTGCCTGTGACCAGCCGACGCGGTGCGCCGTAGCGGCATCAGCCCGCTGC  
ACCTAGCGGCCGAGCGCAACCACGACGCGGTGCTGGAGGCGCTGCTGGCCGCGCGCTTCGACGTGAACGC  
ACCTCTGGCTCCCGAGCGCGCCCGCTCTACGAGGACCGCCGAGTTCTGCGCTCTACTTCGCTGTGGTC  
AACAACAATGTGTACGCCACCGAGCTGTTGCTGCTGGCGGGCGCGGACCCCAACCGCATGTCATCAGCC  
CTCTGCTCGTGGCCATCCGCCACGGCTGCCTGCGCACCATGCAGCTGCTGTTGGACCATGGCGCCAACAT  
CGACGCCATACATCGCCACTCACCCACCGCCTTCCAGCCACCATCATGTTTGCCATGAAGTGCCTGTCG  
TACTCAAGTTCTTATGGACCTCGGCTGCGATGGCGAGCCCTGCTTCTCCTGCCTGTACGGCAACGGGC  
CGACCCACCCCGCCCGGACCTGGCCGCTTCCACGACGACCCCGTGGACGACAAGGCACCTAGCGTGGT  
GCAGTTCTGTGAGTTCTGTGCGCCCGGAAGTGAGCCGCTGGGCGGGACCCATCATCGATGTCCTCCTG  
GACTATGTGGCAACGTGCAGCTGTGCTCCCGGCTGAAGGAGCACATCGACAGCTTTGAGGACTGGGCTG  
TCATCAAGGAGAAGGCAGAACCTCCGAGACCTCTGGCTCACCTCTGCCGCTGCGGGTTCGGAAGGCCAT  
AGGAAAATACCGATAAAACTCCTGGACACACTGCCGCTTCCCGGACGGCTAATCAGATACCTGAAATAT  
GAGAATACACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224555 representing NM\_023049  
Red=Cloning site Green=Tags(s)

MATEISTRGRQRAIGHEEYSLYSSLSEEELLQMAIEQSLADKTRGPTPAEASASSQTNHQPGHFHPWTRS  
PSSPENPPARAPLGLFQGMVQKYSSNLFKTSQMAAMPVLKAIKEGDDEALKIMIQDGKNLAEPNKEGWL  
PLHEAAYYGQLGCLKVLQQAYPGTIDQRTLQEETALYLATCREHLDCLLSLLQAGAEPDISNKSRETPLY  
KACERKNAEAVRILVRYNADANHRCNRGWTALHESVSRNDLEVMELVSGGAKVEAKNVYSITPLFVAAQ  
SGQLEALRFLAKHGADINTQASDSASALYEASKNEHEDVVEFLLSQGADANKANKDGLLPLHVASKKGN  
RIYQMLLPVTSRTRVRRSGISPLHLAAERNHDAVLEALLAARFDVNAPLAPERARLYEDRRSSALYFAVV  
NNNVYATELLLLAGADPNRDVISPLLVAIRHGCLRTMQLLLDHGANIDAYIATHPTAFPATIMFAMKCLS  
LLKFLMDLGCDGEPFC SCLYGNPHPPAPRPGRFHDAPVDDKAPSVVQFCEFLSAPEVSRWAGPIIDVLL  
DYVGNVQLCSRLKEHIDSFEDWAVIKEKAEPPLAHLRLRVRKAIGKYRIKLLDTPGRLIRYLKY  
ENTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9077\\_c07.zip](https://cdn.origene.com/chromatograms/mm9077_c07.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_023049

**ORF Size:** 1902 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\\_023049.1](#), [NP\\_075536.1](#)

**RefSeq Size:** 2707 bp

**RefSeq ORF:** 1905 bp

**Locus ID:** 65256

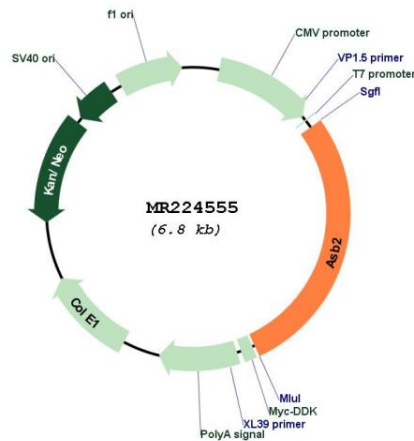
**UniProt ID:** [Q8K0L0](#)

**Cytogenetics:** 12 52.9 cM

**MW:** 70.2 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.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR224555