

Product datasheet for MR224607

Asb5 (NM_029569) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asb5 (NM_029569) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asb5
Synonyms:	1110018D09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224607 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGTGTTAGAAGAAAGCCGGCCATTTGCTCAACAGCTATCTAATGTCTATTTTACGATACTCTCCC
TCTTCTGTTTTAACTTTTTGTGAAGATCAGCCTTGCCATCCTTAGTCATTTCTACATCGTGAAAGGCAA
CCGAAAGGAAGCCGAAGGATAGCAGCTGAGTTTTATGGAGTAAGCAAGGACAAGGATCCTGGGCAGAT
CGATCACCCTGCATGAAGCTGCAAGTCAGGGTCGTCTTCTTGCTCTGAGGACATTGCTATCACAAGGAT
ATAATGTAATGCAGTAACCATAGACCATGTCCTCACTCCATGAGGCCTGCCTAGGTGACCACGTGGC
CTGTGCAAGGACTCTCCTGGAAGCTGGGGCTAATGCAAACGCAATCACCATAGATGGCGTACTCCCTTG
TTCAACGCATGCTCACAAGGCAGCGCAAGTTGTGCAAGTCTCTTTTGAATATGGTGCCAAAGCCCAAC
TGGAGTCTGTTTTCCATCTCCAACACATGAGGCTGCCAGTAAAGGTCACCATGAATGTCTCGACATTTT
GATAGCCTGGGGCATAGATGTTGACCAAGACATACCTCACTTGGGAACCTCTTTATGTAGCTTGATG
TCACAGCAGTTCCATTGCATCTGGAAGCTTCTTTATGCTGGTGTGATGTGCACAAAGGCAAGTACTGGG
ACACGCCACTGCATGCTGCCGCTCAACAACCCAGTACCGAAATCGTGAACCTACTGCTAGAATTTGGAGC
AGACATCAATGCAAAGAACACAGATCTCTTGGGCCTGTGACTTGGCTACATCTAACAGTGTGTAGAA
AGAATACTTCTCAACATGAAGTACCCCAAGCTCTTTGGCAACTGTGCCACTCTGCATCCGAAACT
ACATAGGAAGACAAAGGTTCCATCTTATCCCTCAGCTCCAGTTACCAACATTGCTGCAGAATTTCTTACA
GTATCGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR224607 protein sequence
Red=Cloning site Green=Tags(s)

MSVLEESRPFAQQLSNVYFTILSLFCFKLFVKISLAILSHFYIVKGNRKEAARIAAEFYGVSSQGQGSWAD
 RSPLHEAASQGRLLALRLLSQGYNVNAVTDHVTPLHEACLGDHVACARTLLEAGANANAITIDGVTPL
 FNACSQGSASCAELLLEYGAKAQLESCFPSPTHEAASKGHHECLDILIAWGDVDQDIPHLGTPLYVACM
 SQQFHCIWKLLYAGADVHKGYWDTPLHAAAQQPSTEIVNLLLEFGADINAKNTDLLRPVDLATSNSAVE
 RILLQHEATPSSLCQLCRLCIRNYIGRQRFHLIPQLQLPTLLQNFLQYR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029569

ORF Size: 990 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_029569.1](#), [NM_029569.2](#), [NM_029569.3](#), [NP_083845.1](#)

RefSeq Size: 1579 bp

RefSeq ORF: 990 bp

Locus ID: 76294

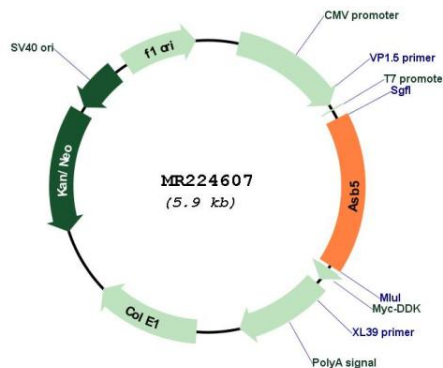
UniProt ID: [Q9D1A4](#)

Cytogenetics: 8 B1.3

MW: 36.3 kDa

Gene Summary: May be a 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. May play a role in the initiation of arteriogenesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224607