

Product datasheet for **MG224607**

Asb5 (NM_029569) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asb5 (NM_029569) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asb5
Synonyms:	1110018D09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224607 representing NM_029569 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGTGTTAGAAGAAAGCCGGCCATTTGCTCAACAGCTATCTAATGTCTATTTACGATACTCTCCC
TCTTCTGTTTTAACTTTTTGTGAAGATCAGCCTTGCCATCCTTAGTCATTTCTACATCGTGAAAGGCAA
CCGAAAGGAAGCCGAAGGATAGCAGCTGAGTTTTATGGAGTAAGCCAAGGACAAGGATCCTGGGCAGAT
CGATCACCAGTGCATGAAGCTGCAAGTCAGGGTCGTCTTCTTGCTCTGAGGACATTGCTATCACAAGGAT
ATAATGTAATGCAGTAACCATAGACCATGTCCTCACTCCATGAGGCCTGCCTAGGTGACCACGTGGC
CTGTGCAAGGACTCTCCTGGAAGCTGGGGCTAATGCAAACGCAATCACCATAGATGGCGTACTCCCTTG
TTCAACGCATGCTCACAAGGCAGCGCAAGTTGTGCAAGTCTCTTTTGAATATGGTGCCAAAGCCCAAC
TGGAGTCTGTTTTCCATCTCCAACACATGAGGCTGCCAGTAAAGGTACCATGAATGTCTCGACATTTT
GATAGCCTGGGGCATAGATGTTGACCAAGACATACCTCACTTGGGAACCTCTTTATGTAGCTTGATG
TCACAGCAGTTCCATTGCATCTGGAAGCTTCTTTATGCTGGTGTGATGTGCACAAAGGCAAGTACTGGG
ACACGCCACTGCATGCTGCCGCTCAACAACCCAGTACCGAAATCGTGAACCTACTGCTAGAATTTGGAGC
AGACATCAATGCAAAGAACACAGATCTCTTGGGCCTGTGACTTGGCTACATCTAACAGTGTGTAGAA
AGAATACTTCTCAACATGAAGTACCCCAAGCTCTCTTTGCCAACTGTGCCGACTCTGCATCCGAAACT
ACATAGGAAGACAAAGGTTCCATCTTATCCCTCAGCTCCAGTTACCAACATTGCTGCAGAATTTCTTACA
GTATCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG224607 representing NM_029569
Red=Cloning site Green=Tags(s)

MSVLEESRPFQAQLSNVYFTILSLFCFKLFVKISLAILSHFYIVKGNRKEAARIAAEFYGVSSQGQGSWAD
 RSPLHEAASQGRLLALRTLSSQGYNVNAVITIDHVTPLHEACLGDHVACARTLLEAGANANAITIDGVTPL
 FNACSQGSASCAELLLEYGAKAQLSECFSPSTHEAASKGHHECLDILIAWGDVDQDIPHLGTPLYVACM
 SQQFHCIWKLLYAGADVHKGYWDTPLHAAAQQPSTEIVNLLLEFGADINAKNTDLLRPVDLATSNSAVE
 RILLQHEATPSSLCQLCRLCIRNYIGRQRFHLIPQLQLPTLLQNFLQYR

TRTRPLE - GFP Tag - V

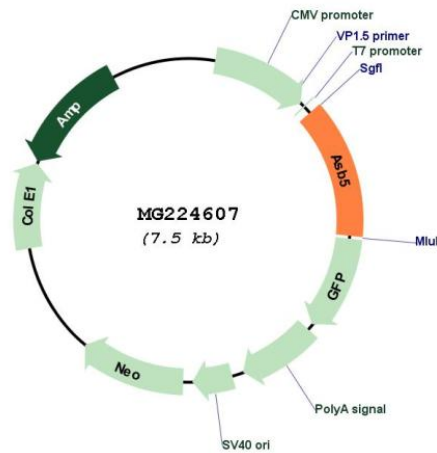
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_029569

ORF Size: 987 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_029569.3 , NP_083845.1
RefSeq Size:	1579 bp
RefSeq ORF:	990 bp
Locus ID:	76294
UniProt ID:	Q9D1A4
Cytogenetics:	8 B1.3
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]