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Product datasheet for RG233964

ASB6 (NM_001202403) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASB6 (NM_001202403) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ASB6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG233964 representing NM_001202403
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGTTCCTGCACGGCTTCCGGAGGATCATCTTCGAGTACCAGCCGCTGGTGGATGCGATTCTGGGCT
CCCTGGGGATCCAGGACCCCGAGCGGCAGGAGTCTCTGGACCGGCCCAGTTATGTCGCCAGCGAGGAGAG
CCGAATCCTTGTTCTCACTGAGCTGCTGGAGAGGAAAGCCCACTCTCCCTTTTACCAGGAAGGCGTGAGC
AACGCCCTGCTCAAGATGGCTGAGCTGGGGCTGACGCGGGCGGCCGACGTTCTCTTGCGGCATGGGGCCA
ATCTCAACTTTGAAGACCCAGTCACCTACTACACGGCCTTGCACATCGCCGTCCTGCGGAACCAGCCGGA
CATGGTGGAGCTGCTGGTGCATCACGGGGCCGACGTTAATCGGAGGGACCGGATCCACGAGAGTAGCCCC
TTGGACCTGGCCAGCGAGGAGCCTGAGCGCCTGCCCTGCCTGCAGCGCCTCCTGGACCTTGGAGCTGATG
TCAATGCCGCTGACAAGCATGGGGCAGACGTCAAGGCCACCACCAAAGATGGGGACACAGTGTTCACCTG
CATCATCTTCCTGCTTGGTGAGACCGTGGGAGGGGACAAAGAGGAGGCCCAGATGATCAACCGCTTCTGC
TTCCAAGTCACACGGCTGCTGCTGGCACACGGGGCCGACCCCAGCGAGTGCCCAGCCCACGAGTCCCTCA
CCCACATCTGCCTGAAGAGCTTTAAACTGCACTTCCCTCTCCTGCGCTTCCTCCTGGAGTCCGGAGCCGC
CTACAACTGCTCCCTGCACGGTGCGTCCTGCTGGTCTGGCTTTCACATCATCTTTGAGAGGCTCTGTTCC
CACCCAGGCTGCACGGAAGACGAGAGCCATGCGGACCTCCTGCGCAAAGCTGAGACTGTCCTGGATCTCA
TGGTGACCAACTCTCAGAAACTCCAGCTGCCCGAAAACTTCGATATCCACCCTGTGGGCAGCCTGGCGGA
AAAGATCCAGGCCCTCCACTTCTCCTTGAGGCAGCTGGAGAGCTATCCCCCGCCCCTCAAGCACCTGTGC
CGTGTGGCCATCCGGCTCTACCTTCAGCCGTGGCCTGTGGATGTGAAGGTCAAAGCCCTGCCTCTGCCCG
ACAGGCTGAAGTGGTACCTCCTTAGCGAGCACAGTGGCTCCGTGGAAGATGACATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

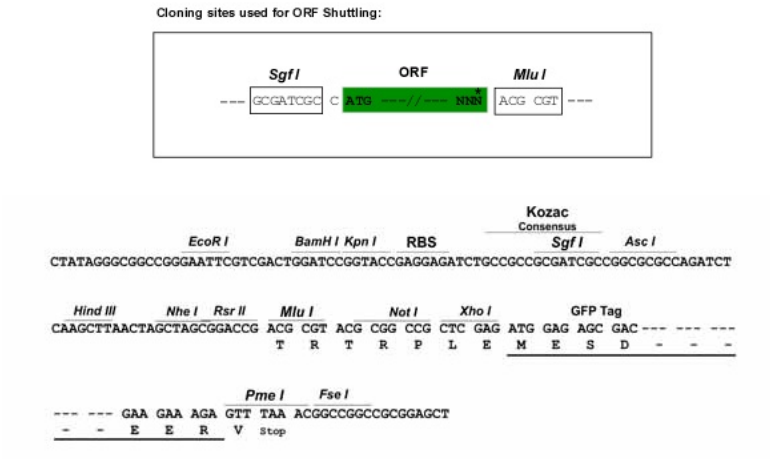
>RG233964 representing NM_001202403
Red=Cloning site Green=Tags(s)

MPFLHGFRRIIFEYQPLVDAILGSLGIQDPERQESLDRPSYVASEESRILVLTELLERKAHSPFYQEGVS
NALLKMAELGLTRAADVLLRHGANLNFEDPVTYYTALHIAVLRNQPDMVELLVHHGADVNRRDRIHESSP
LDLASEEPERLPCLQRLLDLGADVNAADKHGADVKATTKDGDTVFTCIIFLLGETVGGDKEEAQMINRFC
FQVTRLLLAHGADPSECPAHESLTHICLKSFKLHFPLLRFLLESGAAYNCSLHGASCWSGFHIIFERLCS
HPGCTEDESHADLLRKAETVLDLMVTNSQKLQLPENFDIHPVGSLAEKIQALHFSLRQLESYPPPLKHLC
RVAIRLYLQPWPVDVKVKALPLPDRLKWYLLSEHSGSVEDDI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001202403

ORF Size: 1176 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_001202403.1, NP_001189332.1

RefSeq Size: 4570 bp

RefSeq ORF: 1179 bp

Locus ID: 140459

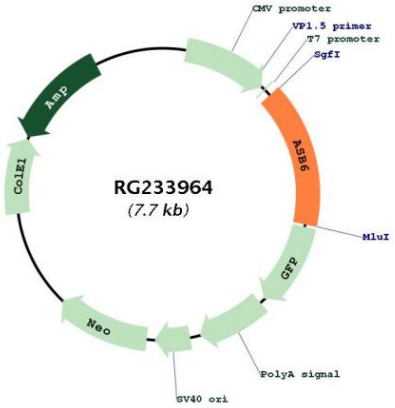
UniProt ID: Q9NWX5

Cytogenetics: 9q34.11

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene belongs to a family of ankyrin repeat proteins that, along with four other protein families, contain a C-terminal SOCS box motif. Growing evidence suggests that the SOCS box, similar to the F-box, acts as a bridge between specific substrate-binding domains and the more generic proteins that comprise a large family of E3 ubiquitin protein ligases. Alternatively spliced transcript variants have been identified for this gene. [provided by RefSeq, Jan 2011]

Product images:



Circular map for RG233964