

Product datasheet for **RG226905**

ASB14 (NM_001142733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ASB14
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PSI00010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG226905 representing NM_001142733
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCCTTGCTGATCAACTATGGAGCAGATGTCAATCTGCGTTGTGCCAACGAGAGGACAGCTCTCC
ACGAAGCAGCCAACTGGGCAGAGAGGACATGGTGAAGCTTATGCTGGTTTCTGGGCACACCCTGACCC
ACAGAGCAGTATGGATCACTCCTTGTCTTGTCTGCCAAAGTGGACACTGAAATCATGGAAATG
TTACTGCGGAAAGGAGCTAATGCTCATGGTCAGGCCTCTGATTCTTCTCCATCTTACTTGAAGCCGAA
GTGGAGGAAATCCAGATGCTGTGGCTCTTGTCTGGAGTATGGAGCTGATGCCAACATCCCTAAGAATTC
AGGCCACCTGCCATCCATGTGGCAGCTGACAGGGGCCACTTACTAGCTCTAAGATACTGATTCCAGTT
ACGGATCTTGTGCTGCCATTAAGCAGAGTGGGATCAGTCCAGTTCACTGTGCAGCAGCAGGAGCACATCCTC
AGTGCCTGGAATCCTCATCCAGGCTGGATTTGATGTGAATTCATGCTGGATCAGAGAATTAACAAACA
CTACGATGACCACAGGAAGTCAGCTTTGATTTTGTGTATCAAACAGTGACCTCTTTCAGTCAAGCTG
CTTCTGAGTGTGGAGCTCTGCCTAATCAAGACCCGGTTAACTGCCTCCAGATAGCCCTCAGGATGGCA
ACTATGAGCTGATCAGTCTGCTAAGGCATGGGGCCAAATGTCAATTACTTCTGCAGAGTTAACCCCTT
ACATTTCCCATCAGCACTGCAATACACTCTGAAAGATGAAGTCATGCTCAGGATGCTGCTGAACTATGGG
TATGACACAGAGCGATGTTTTGATTGCCACATGGAGACAAAGTCCATCCTTCTATACTGTTGAAGGCT
GGACATCTACAGTTATCAAAGATACTAAGTTCTGTGAAGTAATAACTTTGTCATGGCTGCAACATCTCTC
TGAAAGGTTGTTGAGTGTGCTTGAATGTTGATCAAGTTCGGATCTGTTCAAAGTTGAAAGCTGTG
CTCCAAAAACAGGGGATCTGGTCAGAAATACATTTTATCTTAACAAACCCCTCGCTCCCTAAAAACATTTGT
GCCGCCTAAGATCCGGAATGCATGGGACGGTTACATTTGCGCTGCCCTGTCTTCATGTCATTTCTTCC
ATTACCAATCGTCTAAAAGCATATGTCCTTTACAAAGAATACGACCTTTATGGACAAGGAATTTTACA
GGAACCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG226905 representing NM_001142733

Red=Cloning site Green=Tags(s)

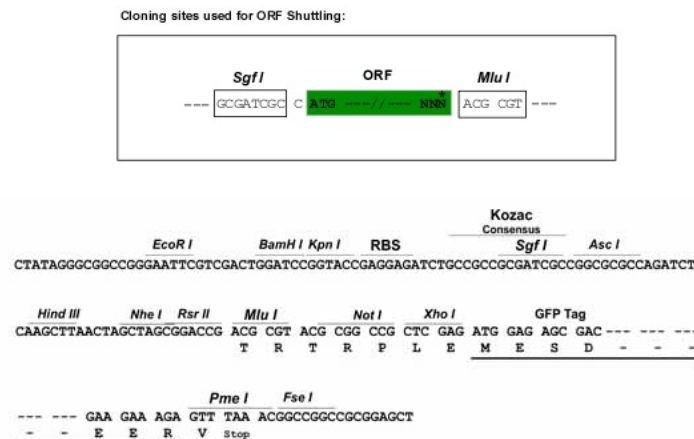
MAALLINYGADVNLRNERTALHEAAKLGREDMVKMLVSGAHPDPQSTYGFTHPLALAAQSGHTEIMEM
LLRKGANAHGQASDSSILLEAASGNPDVAALLLEYGADANIPKNSGHLPIHVAADRGHLLALKILIPV
TDLAAIKQSGISPVHCAAAGHPQCLELLIQAGFDVNFMLDQRINKHYDDHRKSALYFAVSNSDLSSVKL
LLSAGALPNQDPVNCLQIALRMGNYELISLLRHGANVNYFCRVNPLHFPSALQYTLKDEVMLRMLLNYG
YDTERCFDCPHGDKVHPSYTVEGWTSTVIKDTKFCEVITLSWLQHLGKVVVRVMDYVDQVIRICSKLKAV
LQKQGIWSEIHFILTNPRSLKHLCLRKIRKCMGRHLRCPVFMSFLPLPNRLKAYVLYKEYDLYQGQIFT
GTW

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001142733

ORF Size:

1269 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:

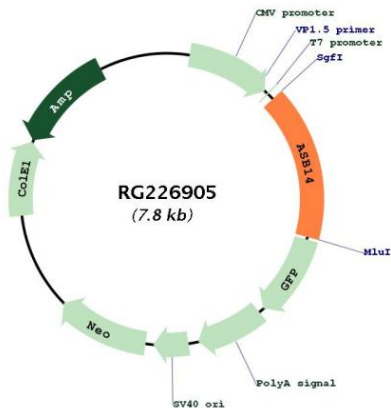
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_001142733.1, NP_001136205.1</u>
RefSeq Size:	3150 bp
RefSeq ORF:	1764 bp
Locus ID:	142686
UniProt ID:	<u>A6NK59</u>
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene is a member of the ankyrin repeat and SOCS box-containing (ASB) family of proteins. They contain ankyrin repeat sequence and a SOCS box domain. The SOCS box serves to couple suppressor of cytokine signalling (SOCS) proteins and their binding partners with the elongin B and C complex, possibly targeting them for degradation. Alternative splicing results in multiple transcript variants encoding different isoforms.[provided by RefSeq, Dec 2008]

Product images:



Circular map for RG226905