

## Product datasheet for RC226905

### ASB14 (NM\_001142733) Human Tagged ORF Clone

#### Product data:

|                    |                        |
|--------------------|------------------------|
| Product Type:      | Expression Plasmids    |
| Tag:               | Myc-DDK                |
| Symbol:            | ASB14                  |
| Mammalian Cell     | Neomycin               |
| Selection:         |                        |
| Vector:            | pCMV6-Entry (PSI00001) |
| E. coli Selection: | Kanamycin (25 ug/mL)   |

**ORF Nucleotide Sequence:** >RC226905 representing NM\_001142733  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTGCCTTGCTGATCAACTATGGAGCAGATGTCAATCTGCGTTGTGCCAACGAGAGGACAGCTCTCC  
ACGAAGCAGCCAACTGGGCAGAGAGGACATGGTGAAGCTTATGCTGGTTTCTGGGCACACCCTGACCC  
ACAGAGCAGTATGGATTCACTCCTTGTCTTGTCTGCCCAAAGTGGACACACTGAAATCATGGAATG  
TTACTGCGGAAAGGAGCTAATGCTCATGGTCAGGCCTCTGATTCTTCTCCATCTTACTTGAAGCCGAA  
GTGGAGGAAATCCAGATGCTGTGGCTCTTGTCTGGAGTATGGAGCTGATGCCAACATCCCTAAGAATTC  
AGGCCACCTGCCCATCCATGTGGCAGCTGACAGGGGCCACTTACTAGCTCTAAGATACTGATTCCAGTT  
ACGGATCTTGTGCTGCTTAAGCAGAGTGGGATCAGTCCAGTTCACTGTGCAGCAGCAGGAGCACATCCTC  
AGTGCCTGGAATCCTCATCCAGGCTGGATTTGATGTGAATTCATGCTGGATCAGAGAATTAACAAACA  
CTACGATGACCACAGGAAGTCAGCTTTGATTTTGTGTATCAAACAGTGACCTCTTTCAGTCAAGCTG  
CTTCTGAGTGTGGAGCTCTGCCTAATCAAGACCCGTTAACTGCCTCCAGATAGCCCTCAGGATGGGCA  
ACTATGAGCTGATCAGTCTGCTAAGGCATGGGGCCAAATGTCAATTACTTCTGCAGAGTTAACCCCTT  
ACATTTCCCATCAGCACTGCAATACACTCTGAAAGATGAAGTCATGCTCAGGATGCTGCTGAACTATGGG  
TATGACACAGAGCGATGTTTTGATTGCCACATGGAGACAAAGTCCATCCTTCTATACTGTTGAAGGCT  
GGACATCTACAGTTATCAAAGATACTAAGTTCTGTGAAGTAATAACTTTGTCATGGCTGCAACATCTCTC  
TGAAAGGTTGTTGAGTGTGCTTGTATGTTGATCAAGTTCGGATCTGTTCAAAGTTGAAAGCTGTG  
CTCCAAAAACAGGGGATCTGGTCAGAAATACATTTTATCTTAACAAACCCTCGCTCCCTAAAAACATTTGT  
GCCGCCTAAGATCCGGAATGCATGGGACGGTTACATTTGCGCTGCCCTGTCTTCATGTCATTTCTTCC  
ATTACCAATCGTCTAAAAGCATATGTCCTTTACAAAGAATACGACCTTTATGGACAAGGAATTTTACA  
GGAACCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC226905 representing NM\_001142733

Red=Cloning site Green=Tags(s)

MAALLINYGADVNLRCANERTALHEAAKLGREDMVKMLVSGAHPDPQSTYGFTPLALAAQSGHTEIMEM  
LLRKGANAHGQASDSSSILLEAASGGNPDAVALLLEYGADANIPKNSGHLPIHVAADRGHLLALKILIPV  
TDLAAIKQSGISPVHCAAAGHPQCLELLIQAGFDVNFMLDQRINKHYDDHRKSALYFAVSNSDLSSVKL  
LLSAGALPNQDPVNCLQIALRMGNYELISLLLRHGAVNYFCRVNPLHFPSALQYTLKDEVMLRMLNLYG  
YDTERCFDCPHGDKVHPSYTVEGWTSTVIKDTKFCEVITLSWLQHLSGKVVRVMDYVDQVRICSKLKAV  
LQKQGIWSEIHFIILTNPRLKHLCLRKIRKCMGRHLRCPVFMSFLPLPNRLKAYVLYKEYDLYGQGIFT  
GTW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

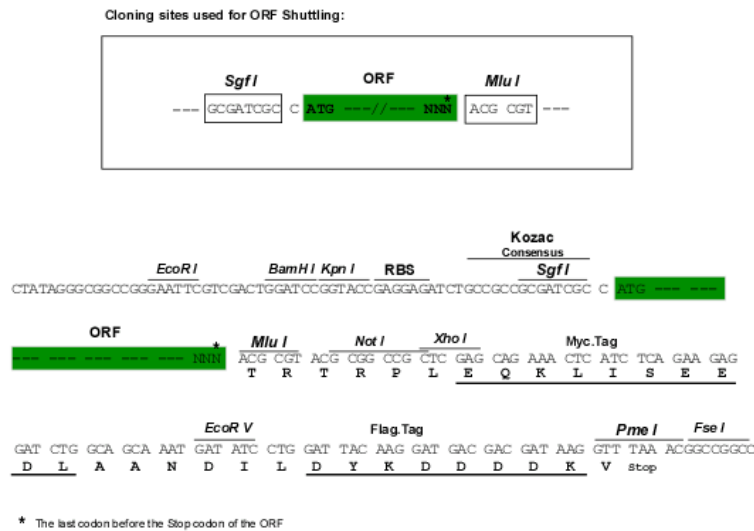
Chromatograms:

[https://cdn.origene.com/chromatograms/mk8032\\_g10.zip](https://cdn.origene.com/chromatograms/mk8032_g10.zip)

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:

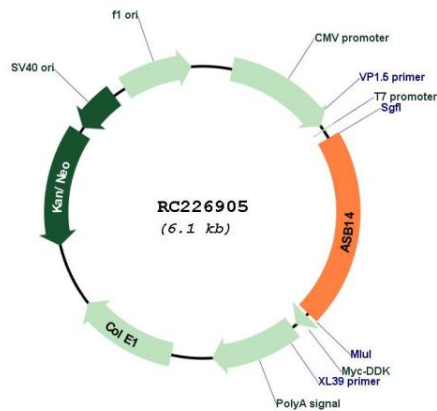
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:

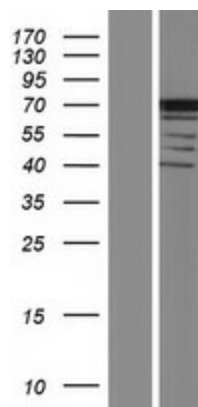
The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_001142733.1, NP_001136205.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq ORF:</b>            | 1764 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 142686                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>A6NK59</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 3p14.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>MW:</b>                    | 46.94 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Summary:</b>          | <p>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]</p>                   |

## Product images:



Circular map for RC226905



Western blot validation of overexpression lysate (Cat# [LY428258]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226905 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).