

## Product datasheet for RC209346

### ASB5 (NM\_080874) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ASB5 (NM_080874) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASB5
Synonyms:	ASB-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC209346 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGTGTAGAAAGAAAATCGGCCGTTTGTCTCAACAATTATCCAATGTCTACTTTACAATACTTTGCG  
TGTTCTGTTTTAAGCTTTTTGTGAAAATCAGCCTTGCCATCCTCAGTCATTTCTACATAGTGAAAGGCAA  
CCGCAAGGAAGCGCAAGGATAGCAGCTGAATTTATGGAGTAACCAAGGACAAGGTTCTGGGCAGAT  
CGATCACCCTACATGAAGCAGCAAGTCAAGGTCGCCTTCTTGCTCTGAGAACATTATTATCACAGGGTT  
ATAATGTAATGCAGTAACCTTAGACCATGTCACCCATTGCACGAAGCCTGCCTTGAGATCACGTGGC  
ATGTGCCAGAACTCTGCTGGAAGCAGGAGCTAATGTAATGCAATCACGATAGATGGCGTACTCCGTTA  
TTCAACGCATGCTCCCAAGGCAGTCCAAGCTGTGACAGAGCTGCTTCTGGAGTATGGTGCCAAAGCCCAGC  
TGGAGTCATGCTTCCATCCCCAACGCATGAGGCCGCGCAGTAAAGGTCACCATGAATGTCTTGACATCCT  
GATATCCTGGGGCATAGATGTTGACCAAGAAAATTCCTCATTTGGGAACCTCTCTATGTAGCTTGATG  
TCACAGCAATCCATTGCATCTGGAAGCTTCTTTATGCTGGTGTGACGTACAGAAAGGCAAAATATTGGG  
ATACTCCATTACATGCTGCTGCTCAACAATCCAGCACAGAAAATGTAACCTTACTGCTAGAATTTGGAGC  
AGATATCAATGCCAAAAATACAGAGCTTCTGCGACCTATAGATGTAGCTACGTCTAGCAGTATGGTGGAA  
AGAATATTGCTTCAACATGAAGTACCCCAAGCTCTTTACCACTTTGCCGACTCTGTATCCGAAGCT  
ACATAGGAAAACCAAGATTGCACCTTATCCACAACCTCCAGCTGCCAACGTTACTGAAGAATTTCTTACA  
GTATCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC209346 protein sequence  
Red=Cloning site Green=Tags(s)

```
MSVLEENRPFQQQLSNVYFTILSLFCFKLFVKISLAILSHFYIVKGNRKEAARIAAEFYGVTOGGQGSWAD
RSPLHEAASQGRLLALRTLTSQGYNVNAVTLDHVTPLHEACLGDHVACARTLLEAGANVNAITIDGVTPL
FNACSQGSPSCAELLLEYGAKAQLESCLPSPTHEAASKGHHECLDILISWGIDVDQEIPLHGTPLVYACM
SQQFHCIWKLLYAGADVQKGGKYWDTPHAAAQQSSTEIVNLLLEFGADINAKNTELLRPIDVATSSSMVE
RILLQHEATPSSLYQLCRLCIRSYIGKPRLLHLPQLQLPTLLKNFLQYR
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6628\\_d10.zip](https://cdn.origene.com/chromatograms/mk6628_d10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_080874

**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:**

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\\_080874.1](#)

**RefSeq Size:** 3042 bp

**RefSeq ORF:** 990 bp

**Locus ID:** 140458

**UniProt ID:** [Q8WWX0](#)

**Cytogenetics:** 4q34.2

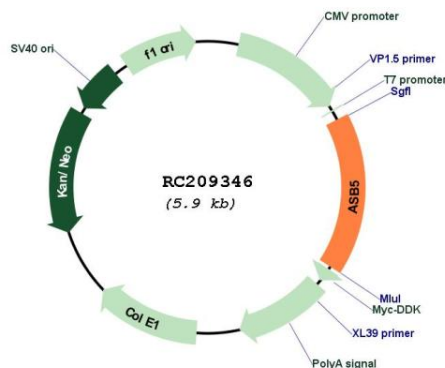
**Domains:** ANK

**Protein Families:** Transmembrane

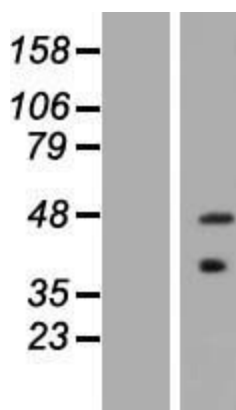
**MW:** 36.3 kDa

**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 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. Multiple alternatively spliced transcript variants have been described for this gene but their full length sequences are not known. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RC209346



Western blot validation of overexpression lysate (Cat# [LY408991]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC209346 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).