

## Product datasheet for **RG209346**

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

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | ASB5 (NM_080874) Human Tagged ORF Clone                                     |
| Tag:                      | TurboGFP  |
| Symbol:                   | ASB5  |
| Synonyms:                 | ASB-5   |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-AC-GFP (PS100010)   |
| E. coli Selection:        | Ampicillin (100 ug/mL)  |
| ORF Nucleotide Sequence:  | >RG209346 representing NM_080874<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGTGTTAGAAGAAAATCGGCCGTTTGCTCAACAATTATCCAATGTCTACTTTACAATACTTTGCG  
TGTTCTGTTTTAAGCTTTTTGTGAAAATCAGCCTTGCCATCCTCAGTCATTTCTACATAGTGAAAGGCAA  
CCGCAAGGAAGCGCAAGGATAGCAGCTGAATTTATGGAGTAACCAAGGACAAGGTTCTGGGCAGAT  
CGATCACCCTACATGAAGCAGCAAGTCAAGGTCGCCTTCTTGCTCTGAGAACATTATTATCACAGGGTT  
ATAATGTAATGCAGTAACCTTAGACCATGTACCCCATTCACGAAGCCTGCCTTGAGATCACGTGGC  
ATGTGCCAGAACTCTGCTGGAAGCAGGAGCTAATGTAATGCAATCACGATAGATGGCGTACTCCGTTA  
TTCAACGCATGCTCCCAAGGCAGTCCAAGCTGTGACAGAGCTGCTTCTGGAGTATGGTGCCAAAGCCAGC  
TGGAGTCATGCTTCCATCCCCAACGCATGAGGCCGCGCAGTAAAGGTACCATGAATGTCTTGACATCCT  
GATATCCTGGGCATAGATGTTGACCAAGAAAATTCCTCATTTGGGAACCTCTCTATGTAGCTTGATG  
TCACAGCAATCCATTGCATCTGGAAGCTTCTTTATGCTGGTGTGACGTACAGAAAGGCAAAATATTGGG  
ATACTCCATTACATGCTGCTGCTCAACAATCCAGCACAGAAAATGTAACCTTACTGCTAGAATTTGGAGC  
AGATATCAATGCCAAAAATACAGAGCTTCTGCGACCTATAGATGTAGCTACGTCTAGCAGTATGGTGAA  
AGAATATTGCTTCAACATGAAGTACCCCAAGCTCTTTACCACTTTGCCACTCTGTATCCGAAGCT  
ACATAGGAAAACCAAGATTGCACCTTATCCACAACCTCCAGCTGCCAACGTTACTGAAGAATTTCTTACA  
GTATCGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG209346 representing NM\_080874  
Red=Cloning site Green=Tags(s)

MSVLEENRPFQAQLSNVYFTILSLFCFKLFVKISLAILSHFYIVKGNRKEAARIAAEFYGVTVGGQGSWAD  
 RSPLHEAASQGRLLALRTLSSQGYNVNAVTLDHVTPLHEACLGDHVACARTLLEAGANVNAITIDGVTPL  
 FNACSQGSPSCAELLLEYGAKAQLESCLPSPTHEAASKGHHECLDILISWGIDVDQEIPLHGTPLYVACM  
 SQQFHCIWKLLYAGADVQKGGKYWDTPHAAAQQSSTEIVNLLLEFGADINAKNTELLRPIDVATSSSMVE  
 RILLQHEATPSSLYQLCRLCIRSYIGKPRHLIPQLQLPTLLKNFLQYR

TRTRPLE - GFP Tag - V

**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:** 2929 bp

**RefSeq ORF:** 990 bp

**Locus ID:** 140458

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

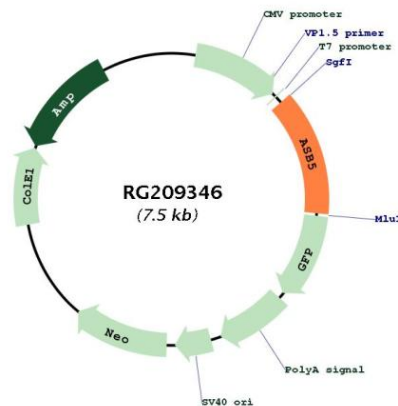
**Cytogenetics:** 4q34.2

**Domains:** ANK

**Protein Families:** Transmembrane

**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 RG209346