

Product datasheet for RC224451

ASB4 (NM_145872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASB4 (NM_145872) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ASB4
Synonyms:	ASB-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC224451 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGCACCCTGCCCTGTCACTAAATCTGGAGCTGCCAAGTTAGTTAAGAGAAATTCCTTGAGG
CGCTAAAGTCCAATGACTTCGAAAATGAAGGCTATTTTGATCCAAAGGCAAATAGATGTGGACTGT
TTTTGAAGTCGAAGATGAGAATATGGTTTTGGCATCTTATAACAAGGTTACTGGTTGCCTAGCTATAAA
TTGAAGTCTTCTGGGCCACAGGCTCCATCTCTGTCTTGTGGCCATGTGGAAATGTCTTCTGGTGC
TACTGGACCACAATGCTACAATCACTGTAGACCAATGGGAAAACCCCTTTCACGTGGCTTGTGAAAT
GGCAATGTGGATTGTGTTAAGATCCTCTGTGATCGTGGGCAAAGCTCAATTGCTACTCCTAAGTGGA
CACACAGCTTTGCACTTTGTACAACCTCAAGTCCATCTCTGTGCAAGCAATTGGTTTGGAGAGGGG
CGAATGTGAACATGAAGACCAACAACCAAGATGAGGAGACGCCCTTGCACACGGCTGCCACTTCGGCT
TTCGGAGCTGGTGGCTTCTACGTGGAACACGGGGCCATAGTGGACAGCGTGAATGCCACATGGAGACC
CCCCTGGCCATCGCCGCTACTGGGCCCTCCGCTTAAAGGAGCAGGAGTACAGCACGGAGACCACCTGG
TCTGCCGATGCTGCTTGACTACAAAGCCGAAGTCAATGCCGAGATGACGACTTAAATCTCCCCTCCA
CAAGGCAGCCTGGAAGTGTGACCAGTGTCTCATGCACATGATGCTGGAAGCTGGCGCCGAAGCCAATCTC
ATGGATATCAACGGCTGTGCTGCCATCCAGTACGTGCTGAAGTCACTCCGTGCCCTGCTGCCAGC
CTGAGATCTGCTACCAGCTCCTGTTGAACCATGGGGCTGCCGAATATACCCTCCACAGTCCATTAAGGT
GAGGCTCTGCCAGTGGTCAGCAGGTTGAGGAAGATTCAAATGGCAGCCTTGTCTGAAATCTCCAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC224451 protein sequence
Red=Cloning site Green=Tags(s)

MDGTTAPVTKSGAAKLVKRNFLEALKSNDFGKLKAILIQRQIDVDTVFEVEDENMVLASYKQGYWLP
 SYK LKSSWATGLHL SVLFGHVECLL VLLDHNATINCRPNGKTPLHVACEMANVDCVKILCDRGAKLNCYSLSG
 HTALHFCTTPSSILCAKQLVWRGANVNMKTNNQDEETPLHTAAHFGLSELVAFYVEHGAI VDSVNAHMET
 PLAIAAYWALRFKEQEYSTEHHLVCRMLLDYKAEVNRDDDFK SPLHKAAWNCDHVL MHHMLEAGAEANL
 MDINGCAA IQYVLKVTSVRPAAQPEICYQLLLNHGAARIYPPQFHKVRLCPVVSRLRKIQMAALSEISK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6460_c03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145872

ORF Size: 1047 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_145872.2](#), [NP_665879.1](#)

RefSeq Size: 1565 bp

RefSeq ORF: 1050 bp

Locus ID: 51666

UniProt ID: [Q9Y574](#)

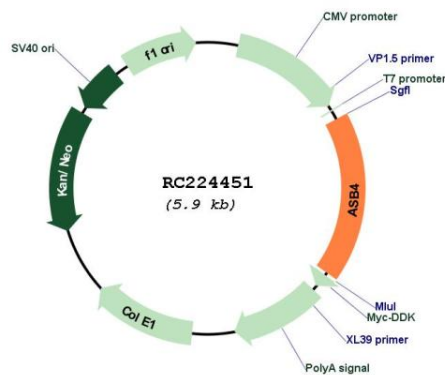
Cytogenetics: 7q21.3

Protein Families: Druggable Genome

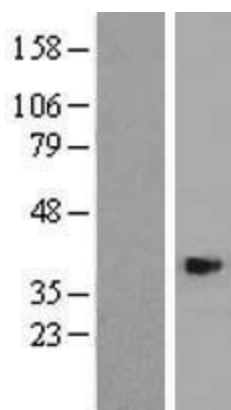
MW: 38.9 kDa

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 some of the full length sequences are not known. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC224451



Western blot validation of overexpression lysate (Cat# [LY407825]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224451 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).