

Product datasheet for SC113821

ATG2B (NM_018036) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATG2B (NM_018036) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATG2B
Synonyms:	C14orf103
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_018036, the custom clone sequence may differ by one or more nucleotides

ATGCCTTGGCCGTTTTTCGGAGTCCATCAAGAAGAGGGCCTGCCGGTACCTCCTGCAGAGGTACCTGGGCC
 ACTTTCTGCAGGAGAAGCTGAGCCTGGAGCAGCTCAGCCTGGACCTGTACCAAGGCACCGGTCCCTCGC
 CCAGGTCCCTTGGACAAATGGTGTCTCAATGAGATCTTGGAGTCAGCAGATGCACCTTAGAAGTCACT
 GAAGGATTCATTAGTCAATTTCCCTGTCAGTTCCATGGGGCTCTTACTGCAGGATAATTGTGCACTGG
 AAGTGAGAGGATTAGAAATGGTCTTCCGGCCTAGACCTCGCCAGCAACTGGTCTGAGCCTATGTATTG
 GTCAAGTTTTATGACCAGCAGTATGCAATTGGCAAAAGAATGTCTTAGCCAGAACTAACAGATGAACAA
 GGAGAAGGATCCAGCCTTTTGAAGGACTTGAAAAGTTTGTGAAACCATTGAAACAGTACTAAGAAGAG
 TAAAAGTCACTTTTATAGATACTGTTTTGAGAATTGAACATGTGCCAGAAAATTCCAAAAGTGAAGTGC
 ACTTGAATTCGAATAGAAAGAACTGTGTACTGTGATGAAACTGCTGACGAATCCTCAGGAATTAATGTG
 CATCAACCCACTGCTTTTGTCTACAAGTACTTCACTCTCTGGAGTGTCTCTCTCTGGGATGAGTTTT
 CTGCATCAGCCAAATCTTCCCAGTGTGTTCAACTGCACCAAGTGGAACTGAGCCAAAGCTCTCACCTAG
 CTGGAACCCCAAAATTATTTATGAGCCACACCCACAGCTAACTAGAAATTTACCAGAGATAGCACCTTCT
 GACCCAGTGCAGATTGGACGGTTAATTGGTAGGTTGGAGTTGAGTCTCACGTTGAAACAGAATGAAGTGC
 TTCCTGGAGCTAAGTTGGATGTTGATGGACAGATAGACTCTATTCATCTACTCTGTGACCAAGACAGGT
 GCACCTTGCTTTTGGATATGTTGGCAGCTATTGCTGGACCAGAAAATTTAGCAAAATAGGGTTAGCTAAT
 AAAGATAGGAAAAATCGACCCATGCAGCAGGAAGACGAGTATCGAATTCAGATGGAATTAACCCGGTATT
 ATTTGAGAAAAGATTCCCTCTCTGTGGGTGTATCTTCAGAGCAAAAGCTTTTATGAGACAGAAACAGCTCG
 TACACCTTCTAGCCGTGAAGAAGAAGTATTCTTCTCCATGGCTGATATGGACATGTCTCATAGTCTCTCT
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 CCCCAGCAGGATCTCCATTAAGTGTACTGTGCTTCAGCCCACTTGGGGAGAGTTCCTTGATCATCATAA
 AGAACAGCCAGTAAGAGGGTCAACATTTCCATCCAACCTAGTTCACCCAACACCTTTACAGAAGACATCT
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 TTTCAATCTCTGTGCTTCACATTGATCCTTTATCTCCACCTGAAACGTCACAGAACCCTTAATCCATTGAC



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ACCTATGGCAGTAGCTTTCTTTACTTGTATAGAAAAGATTGATCCAGCAAGATTTTCAACAGAAGATTTT
 AAGTCTTTCCGAGCAGTGTTCGAGAAGCTTGCTCACACGATCACCTTAGATTTATAGGTAAGTGGCATT
 AAGTATCCTATGAACAAAGACAAAGATCAGCTTCCCGATATTTTAGTACTGATATGTCCATTGGGCAAT
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ACCAGCCAGTAGACCTGAGGGAAGGTGTGGCCAAGGCCTACAGTGTGTGAAAGAGGGAATCACAGACAC
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GTTCTGCGCCAGATTCTCCGGCAGTGGTGAACCTCTGATTGTTGCCACAGAAGCAACGTCAAACGTGC
TGGGTGGCATGAGAAACCAATTAGGCCAGATGTCCGGCAAGACGAGTCACAGAAATGGCGCCACGGGA
TGA CTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018036 unedited
GGTCAAATTTGTATACGACTCACTATAGCGCGCCGCAATTTCGCACGAGGTCAGACTCTT
GTGCTGCGTTAATGAATCTCATTAGTACATTGCAAGCTATGGTGAAGTGCAGACACCTA
ACAAGGCAGATATGAAGCCTGGAGCCTTTCAAAGAAGGTCTAAGGTAGATTCCAGTGGTC
GATCATCCTCACGTGGTCCAGTACTTCTGAAGCAGATCAACAAATGTTACGAGATCTGA
TGAGTGATGCTATGGAGGAGATCGACATGCAACAAGGCACCTCGTCAGTAAAACACAGG
CTAATGGTGTGTTTGGATGAAAAATCTCAAATTCAGGAGCCATGTTGTTACAGACCTCTTCC
TGTTTTCTGACGAGAGTGGGAATGTATCCAGGAGTCCGGCCCCACCTATGCCTCATTCT
CTCACCATTTCATCAGTGATGCAATGACAGGTGTGCCCCACTGAGAATGATGACTTTTGCA
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TCTCTCTGTCTGGCATCTTTATGGAGGAAAGGATTNTGGAACAGTCCCTCCCACTTCTC
CGGCTAANAGTTATATTAGTCCCCACAGTTTCGCTTCTCACACCCACGAGACATGGNA
CGTATACAGTATGTGGGGGAAAAAGGAAGGACCATGACTNTNTATGGAATACAGCTAAG
CAGGNTGAAGTTTCAGCATGAAGTCTACCCGCCCATGCAACCTGNNATGTGATCCAGCCT
CTCAGACACCCAGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_018036 unedited
CCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTACCTTTAAATAAAAACTTTTAT
TCATTCCTGATAGGTTATCAAAATGTACACTGTTAACCAAGTAAAAATGGTATGCTGAAA
TAGTTAACTAGGCATATTTGAAGAATTTGTTTACTTTTAAAGAGGAAAAATCACTTC
CAATCTTCCCTTCCACACATTCTAACAAGCCTGCACTATACCTGCTTAAACTGAAAAAT
ATAAACAATTACATGGGCCCCACTTCATTACAGAATGCATTTTCTGTACTCTTAAAGGA
AGCTATTACATTGAAGTTACCTTCTTTGCCAAAACTTTTCAGACAAGTTTACTGCTCTT
TATATTTTGTGTAACCTTTGTAAATTATACAAGAAATATAGCACACAACCTGAATTAATCT
AAAAACACATACACATAAACACAGGATAAAGTGCAACACAACAGAACATGTCTGCAACAT
TCACTTTCTCAAACCCACAGAGGATTTTCGGAGTAAATGGAATAATGTTGTTCTCA
AGTGCATGAACACTAAATTCAACAGAATAGGTTATTTTTTCCACACTGATATTTATATTG
AAAATCCTATTTGCTTTGCTTCCCTGTGGCTTCTGTCTCTCATTTTCAGTTAAAGTTC
CGAAGCTGTGATCTTTTTAAACCCTTAAGAAAAATCCAACCTCCACAGAGCTACACAAAGT
GTTAGAAGGCAGCTTCCAATGATCTCTCGTCGGTACAAGGAGATTACCGCCATCTTAACA
AAAGGGAGCCCNCCACTAACTGGCAGCAATGCTTAAGGACCTTTGACCCAGCCCCCAACA
TTTCTTATTGGCAGTTTCAACTTAAATGCCAAAGTTTTGGTTGCATTGTGTTTGAAGTTAA
TAATTAACCAAAAATGCTTTGGTTCTGGAAGACCCATAAAATAACCAAGCTCCTTGAGT

Restriction Sites:

NotI-NotI

ACCN:	NM_018036
Insert Size:	3720 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_018036.3</u> , <u>NP_060506.3</u>
RefSeq Size:	11099 bp
RefSeq ORF:	2169 bp
Locus ID:	55102
UniProt ID:	<u>Q96BY7</u>
Cytogenetics:	14q32.2
Gene Summary:	This gene encodes a protein required for autophagy. The encoded protein is involved in autophagosome formation. A germline duplication of a region that includes this gene is associated with predisposition to myeloid malignancies. [provided by RefSeq, Jul 2016]