

Product datasheet for **SC114671**

SETBP1 (NM_015559) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SETBP1 (NM_015559) Human Untagged Clone
Tag:	Tag Free
Symbol:	SETBP1
Synonyms:	MRD29; SEB
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015559, the custom clone sequence may differ by one or more nucleotides

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ATGGAGTCCAGGGAAACCTTAAGCAGCTCCCGGCAAAGAGGGGGCGAGTCAGACTTCCTGCCGGTCTCCT
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015559 unedited
 GGTATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGGTGCAGGAGAACCTTTGC
 TCTCCACTCCAGGACCTGGGAAGGGGATCCCGTGGGCGGAGAGCGCATGGAGCCAGAGG
 AGGAGGATGAACTAGGCTCAGGGCGGGATGTGGATTCCAACCTCAACGCGGACAGTGAGA
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 ATTTGGAGAACTATATATGTCCACCTGAGATCAAGATCACCATCAAGCAGTCTGGGGACC
 AGAAGTGTCCCGTCTGGAAAAATAGCAAAGCCACGAAGGAGGAAGAAAGAAAGCCACTC
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 CTTGGGACTGGNTACCAACTCTGACAGCGAACCCGACTTCAGAATGCTTCATCAGTCC
 AGAGTCGGGCAGAGAACTGCAGCACCAGCANGATCCCGCTCTGAGCCCGGGTTCCTT
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 TGTTGGTGGGGGGGGGGTNCCTCCAAGAGCACGGTACCGCCACCAGAGTTTTTAGG
 AAACGGCTACCCCTTGGGAAAAGGGGGGGGGCCAGGCCCCCCACCCCGGGGGGA
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015559 unedited
 TATGGACCGCGCACGCAATCTAGNAGTCGGTTTTTTTTTTTTTTTTTTTTTTTGAACAAC
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 TCTGGTGGTCTGGGGTTTCAGTTTTTGGTGGTTGTGACGTTACTCTATTTGCTGTGGGG
 TATTTAAACATTTTATCTGCCTATGCTCTGCTGACATGTTTTAAGTATAAAAAAGCC
 TGGTTGACATCTGGTCAACATATCCTTGGCTGCTCTGCATCACTTATTTAAAGGTTTT
 ATCAACTACTGAGTATGTTTCACAACGATTGGGATTCAAACCCAGGTTCTTGAACAGCAT
 GCCAAGGTGAACTTTACAGCACAGGTTAAGGATTACTTTATTTAAATGTGTACCAAGAA
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 AAATAGGAATAGACAATGCTAAAAATCAGTGTATCCGCAATAGAAGAGGCACACAGAACA
 TGAATGCGGGTCTGAGGTCGCCTATCACTAGAATTCCACCTTCTGATCACACAATTCAT
 CGAGAACTGTACGGCTAAGGGAAAGATTAGGTCACCTGAAGATGACGTTGGTACCCCA
 AAGCTTAGCAGAGCTTGAATCAAAGAATAAAAAACATTAATGGAACGGGTTACAGCA
 TTGCCAGTTGAGCAATTTGCAGCTTTTCTCCCCTTGAATGTTCTCTATTTGAGGGTGT
 TCCCTTCGATTTTTCTGGGCAGCAATGAATCGGGAGGCCAGGCCGCCCTTGGCAGCCT
 GAGTCAGGAAAGTGCCACCACCCGCTCTTCTGGGGCCTCCGCTCGCCTGCGAAGAACCC
 ACCGTCCTGATCCGCCGTGGGGACCTGGGTGAACCCAAAACCTTTTTGAAGGGGGCC
 CTGCTTGTCTTAAAACCTGTGCCTACCCCCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_015559

Insert Size:

5550 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: [NM_015559.1](#), [NP_056374.1](#)

RefSeq Size: 9899 bp

RefSeq ORF: 4629 bp

Locus ID: 26040

UniProt ID: [Q9Y6X0](#)

Cytogenetics: 18q12.3

Domains: AT_hook

Gene Summary: This gene encodes a protein which contains a several motifs including a ski homology region and a SET-binding region in addition to three nuclear localization signals. The encoded protein has been shown to bind the SET nuclear oncogene which is involved in DNA replication. Mutations in this gene are associated with Schinzel-Giedion midface retraction syndrome. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.