

Product datasheet for **SC114935**

Scaffold attachment factor B2 (SAFB2) (NM_014649) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scaffold attachment factor B2 (SAFB2) (NM_014649) Human Untagged Clone
Tag:	Tag Free
Symbol:	Scaffold attachment factor B2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014649, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGACTCTGCCCGGTCTGGGCGACTCGGGCCCTGGCACGGCTTCTCTCGGCCGGGCGTTGCGG
AGACTGGGACGAGGCGGCTCAGCGAGCTGCGGGTGATCGATCTCGGGCGGAGCTGAAGAAGCGGAACCT
GGACACGGGCGGCAACAAGAGCGTCTGATGGAGCGGCTCAAGAAGGCGGTTAAAGAAGAGGGGCAAGAT
CCTGATGAAATTGGCATCGAGTTAGAAGCCACCAGCAAGAAGTCAGCCAAGAGATGTGTTAAAGGACTGA
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CATTCCAGGGCCAGTGGTGCCAGGTGGCGGACTGGAAGGTGGCGGAGTGGCCAGCCAGGACCGGGGCA
GCAGAGTCCCTCACCACACCCTCATCCCCCGTACCCCACTTCACCCGCGCTACTAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014649 unedited TTGTAATACGACCTCACTATAGGGCGGCCGCAATTCGCACGAGGGCCATTTTGTGTTCA GAGCCGCTATAGCTGCCGGCGGTGTGCGACTGAGTCGGTGGCGAAGACGGGAACGCGACG ATGGCGGAGACTCTGCCCGGGTCGGGCGACTCGGGCCCTGGCACGGCTTCTCTCGGCCCC GGCGTTGCGGAGACTGGGACGAGCGGGCTCAGCGAGCTCGGGTGATCGATCTCGGGCG GAGCTGAAGAAGCGGAACCTGGACACGGGCGGCAACAAGAGCGTCCTGATGGAGCGGCTC AAGAAGCGGTTAAAGAAGAGGGGCAAGATCCTGATGAAATTGGCATCGAGTTAGAAGCC ACCAGCAAGAAGTCAGCCAAGAGATGTGTTAAAGGACTGAAGATGGAGGAGGAAGGCACA GAAGATAATGGCCTGGAAGACGATTCCAGAGACGGGCAGGAGGACATGGAAGCAAGTCTG GAGAACCTGCAGAATATGGGCATGATGGACATGAGTGTGCTAGACGAACTGAAGTGGCG AATAGCAGTGCTCCAGATTTTGGGAGGATGGCACGGACGGCCTTCTCGATTCTTTTGT GATAGTAAAGAATACGTGGCTGCACAGCTGAGACAGCTCCCGGCTCAGCCCCAGAGCAT GCTGTGGATGGGAAGGATTTAAGAACACTNTGGAACTTCATCGTTGAACCTCAAGTAA CTCCGGACATTGAAGAATCCCTTTTGGAGCCCAGTACTGATAAGAGAACACGACGTTATG GTTGGAAGTTTTACACTTATATTTTAAAGCTGTCTATATNTAAAGCTGGGGTATGATCT TGTTAAATGCTCCTATGTGTTGGACATCCAGATCATACAGGGATCANAGT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_014649 unedited TTTTTTTTTTTTTTTTTTCGAATGGTAACTTTATTAATGGGAAAAGGAATGCCTCGTTA ACAGAAACCTTGATTTAAAAATGGCAGAACAGAACACATTTATTTAAAAA AGTGAGTTCACATTGTATTGAGCTACAACATGGGGGCAGGATTTACTTTGCTTTTAAAAA GATCCCCCAAGTTCGAGGGAACCTGGCTACCAGATTCAACAGTCCGTCTGCCACCCGA AACTCGCAGCGAGTGGGACTTAATAGCGCGGGTGAAGTGGGGGTACGGGGGGGAT
Restriction Sites:	NotI-NotI
ACCN:	NM_014649
Insert Size:	2950 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_014649.1</u> , <u>NP_055464.1</u>
RefSeq Size:	3334 bp
RefSeq ORF:	2862 bp
Locus ID:	9667
UniProt ID:	<u>Q14151</u>

Cytogenetics:	19p13.3
Domains:	RRM, SAP
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene, along with its paralog (scaffold attachment factor B1), is a repressor of estrogen receptor alpha. The encoded protein binds scaffold/matrix attachment region (S/MAR) DNA and is involved in cell cycle regulation, apoptosis, differentiation, the stress response, and regulation of immune genes. [provided by RefSeq, May 2016]