

Product datasheet for **RC235029**

SAFB (NM_001201339) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAFB (NM_001201339) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SAFB
Synonyms:	HAP; HET; SAB-B1; SAF-B; SAF-B1; SAFB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC235029 representing NM_001201339
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGACTCTGTACAGCCTAGGTGATTCTGGAGCGGGCGGGCGGCTCTGAGCTCCGCCTCGT
 CAGAGACCGGGACGCGGGCCTCAGCGACTGCGAGTGATCGATCTGCGGGCGGAGCTGAGGAAACGGAA
 TGTGGACTCGAGCGCAACAAGAGCGTTTTGATGGAGCGGCTGAAGAAGCAATTGAAGATGAAGGTGGT
 AATCCTGACGAAATTGAAATTACCTCCGAGGAAAACAAGAAAACATCAAAGAGGTCTAGCAAAGGGCGCA
 AACCAAGAAGAGGGTGTGGAAGATAACGGGCTGGAGGAAAACCTCTGGGGATGGACAGGAGGATGTTGA
 GACCAGTCTGGAGAACTGCAGGACATCGACATCATGGATATCAGTGTGTTGGATGAAGCAGAAATTGAT
 AATGGAAGCGTTGCAGATTGTGTCGAAGACGATGATGCTGATAACCTCCAGGAGTCCCTGTCGGATAGTA
 GAGAGCTAGTCGAGGGGAAATGAAAGAGCTTCCGGAGCAGCTCAGGAACATGCTATAGAGGACAAAGA
 AACTATAAACAATTTAGATACTTCATCATCTGACTTCACTATATTACAGGAAATTGAAGAGCCATCCCTG
 GAGCCAGAAAATGAGAAAATACTCGACATTTTGGGGAAAACCTGTAAATCTGAGCCAGTAAAAGAAGAAA
 GTTCCGAGCTGGAGCAGCCATTTGCACAGGACACAAGTAGCGTGGGGCCAGACAGAAAGCTTGGCGAGGA
 AGAGGACCTATTTGACAGCGCCATCCGGAAGAGGGTGTATTTAGATTTGGCCAGCGAGTCAACAGCACAC
 GCTCAGTCGAGCAAGGCAGACAGCCTGTAGCGGTAGTAAAAGGGAGCCCGGGAGCAGCCAGGCGATG
 GCGAGAGGACGGACTGTGAGCCTGTAGGGCTAGAGCCGGCAGTTGAGCAGAGTAGTGCGGCTCCGAGCT
 CGCGGAGGCCCTAGCGAGGAGCTCGCAGAAGCACCCACGGAAGCCCAAGCCAGAAGCCAGAGATAGC
 AAAGAAGACGGGAGGAAGTTGATTTTGACGCTTGTAAATGAAGTCCCTCCGGCTCCTAAAGAGTCCCTCAA
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 GATTTGAAGAATCTTTTCAGCAAATATGGGAAGGTGGTGGGCGCAAGGTTGTGACAAATGCCCGGAGTC
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 GCACAAGACGGAGCTCCACGAAAGATGATCTCCGTGGAGAAAGCCAAAATGAACCTGTGGAAAGAAA
 ACCTCTGACAAAAGAGACAGTGACGGGAAAAGGAGAAGTCGAGCAACAGTGACAGATCTACAACTTA
 AGAGGGATGATAAATGTGACAGAAAAGATGATGCTAAGAAGGGTACGACGGAAGTGAGAAAAGAGTAA
 GGACCAAGATGATCAGAACTGGCCCTCAGAGCGATCTCGAGCCACAAAGTCAGGAAGTCGAGGGACC
 GAACGGACTGTAGTAATGGATAAATCCAAGGGGTGCCTGTGATTAGTGTAAAAAGTCCGGTCCAAAG
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 CGCATGACAGGCGCAGTGGGAGCGCAGGAGCGTGAGCGGCTGGAGATTGCCCGAGAGAGGCTGGCCTTCC
 AGCGCCAGCGGCTGGAGCGGGAGCGCATGGAGCGGGAACGGCTGGAGCGGAACGCATGCACGTGGAGCA
 CGAGCGCAGGCGCAGCAGGAGCGCATCCACCGTGAGCGCGAGGAGCTGAGGCGCCAGCAGGAAGTGC
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 CTTTGACCACAGGACCGCGGCCGCTACCCGACCACTCGTGGACAGGAGAGAAGGTTCAAGGTCAATG
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 GCGATGGCTGGGGGGCTATGGCTCTGACAAGAGGATGAGCGAGGGCCGGGGGCTGCCTCCTCCCCCAG
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 CCCCATCCACACGGTGGCATGCAGGGCGGTTTGGAGGCCAGAGCCGGGGGAGCAGGCCACGGATGCC
 CGTTCCTACTCGCCGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RC235029 representing NM_001201339
 Red=Cloning site Green=Tags(s)

MAETLSGLGDSGAAGAAALSSASSETGTRRLSDLRVIDLRAELRKRNVDSGNGKSVL MERLKAIEDEGG
 NPDEIEITSEGNKTSKRSSKGRKPEEEGVEDNGLEENSGDGQEDVETSLENLQDIDIMDISVLDEAIED
 NGSVADCVEDDDADNLQESLSDSRELVEGEMKELPEQLQEHAIEDKETINNLDTSSSDFTILQEIEEPSL
 EPENEKILDILGETCKSEPVKEESSELEQPPAQDTSSVGPDRKLAEEEDLFDSAHPPEEGDLDLASESTAH
 AQSSKADSL LAVVKREPAEQPGDGERTDCEPVGLEPAVEQSSAASELAEASSEELAEAPTEAPSPEARDS
 KEDGRKFDFDACNEVPPAPKESSTSEGADQKMSSPEDDSDTKRLSKEEKGRSSCGRNFWVSGLSSTTRAT
 DLK NLF SKYGVV GAKVVTNARSPGARYGVFTMSTAEAEATKCINHLHKTTELHGKMI SVEKAKNEPVGKK
 TSDKRSDGKKEKSSNSDRSTNLKRDDKCDRDKDAKGGDDGSGEKSQDQDDQKPGP SERSRATKSGSRGT
 ERTVVMDSKSGVPVIVSKTSGSKERASKSQRKSASREKRSVVSFDKVKPEPRKSRDSESHRVRERSEREQ
 RMQAQWEREERERLEIARERLAFQRQLERERMERERLERERMHVEHERRRERQERIHRREREELRQQELR
 YEQERRPAVRRPYDLRRDDAYWPEAKRAALDERYHSDFNRQDRFHDFDHRDRGRYPDHSVDRREGSRSM
 MGEREGQHYP ERHGGPERHGRDSRDGWWGYGSDKRMSEGRGLPPPPRGRRDWGDHGRREDDRSWQGTADG
 GMMDRDHKRWQGGERSMSGHSGPGHMMNRGGMSGRGSFAPGGASRGHPIPHGGMQGGFGGQSRGSRPSDA
 RFTRRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

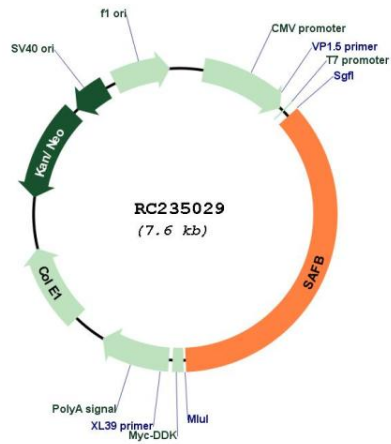


ACCN: NM_001201339

ORF Size: 2748 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:	<ol style="list-style-type: none">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_001201339.2
RefSeq Size:	3118 bp
RefSeq ORF:	2751 bp
Locus ID:	6294
UniProt ID:	Q15424
Cytogenetics:	19p13.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	103.2 kDa
Gene Summary:	This gene encodes a DNA-binding protein which has high specificity for scaffold or matrix attachment region DNA elements (S/MAR DNA). This protein is thought to be involved in attaching the base of chromatin loops to the nuclear matrix but there is conflicting evidence as to whether this protein is a component of chromatin or a nuclear matrix protein. Scaffold attachment factors are a specific subset of nuclear matrix proteins (NMP) that specifically bind to S/MAR. The encoded protein is thought to serve as a molecular base to assemble a 'transcriptosome complex' in the vicinity of actively transcribed genes. It is involved in the regulation of heat shock protein 27 transcription, can act as an estrogen receptor co-repressor and is a candidate for breast tumorigenesis. This gene is arranged head-to-head with a similar gene whose product has the same functions. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2011]

Product images:



Circular map for RC235029