

Product datasheet for **RG234961**

SAFB (NM_001201340) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAFB (NM_001201340) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SAFB
Synonyms:	HAP; HET; SAB-B1; SAF-B; SAF-B1; SAFB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG234961 representing NM_001201340
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGACTCTGTACGGCTAGGTGATTCTGGAGCGGGCGGGCGGCTCTGAGCTCCGCCTCGT
 CAGAGACCGGGACGCGGCCTCAGCGACTGCGAGTGATCGATCTGCGGGCGGAGCTGAGGAAACGGAA
 TGTGGACTCGAGCGCAACAAGAGCGTTTTGATGGAGCGGCTGAAGAAGCAATTGAAGATGAAGGTGGT
 AATCCTGACGAAATTGAAATTACCTCCGAGGAAAACAAGAAAACATCAAAGAGGTCTAGCAAAGGGCGCA
 AACCAAGAAGAGGGTGTGGAAGATAACGGCTGGAGGAAAACCTCTGGGGATGGACAGATAGAGGACAA
 AGAAACTATAACAATTTAGATACTTCATCATCTGACTTCACTATATTACAGGAAATTGAAGAGCCATCC
 CTGGAGCCAGAAAATGAGAAAATACTCGACATTTGGGGAAAACCTGTAATCTGAGCCAGTAAAAGAAG
 AAAGTTCCGAGCTGGAGCAGCCATTTGCACAGGACACAAGTAGCGTGGGGCCAGACAGAAAGCTTCCGGA
 GGAAGAGGACCTATTTGACAGCGCCATCCGGAAGAGGGTGATTTAGATTTGGCCAGCGAGTCAACAGCA
 CAGCTCAGTCGAGCAAGGCAGACAGCCTGTTAGCGGTAGTGAAAAGGGAGCCCGCGGAGCAGCCAGGGC
 ATGGCGAGAGGACGGACTGTGAGCCTGTAGGGCTAGAGCCGCGAGTTGAGCAGAGTAGTGCGGCCTCCGA
 GCTCGCGGAGGCCTTAGCGAGGAGCTCGCAGAAGCACCCACGGAAGCCCCAAGCCAGAAAGCCAGAGAT
 AGCAAAGAAGACGGGAGGAAGTTGATTTTACGCTTGTAAATGAAGTCCCTCCGGCTCCTAAAGAGTCTT
 CAACAGTGAGGGCGCTGATCAGAAAATGAGTTCTCCGAAAGTAGCTCGGATACAAAAGGCTTTCCAA
 AGAGGAAAAGGGTCGCAGCAGTTGTGGTAGAAAATTTCTGGGTTAGTGGACTCTCTTACAACAGAGCT
 ACAGATTTGAAGAATCTTTTACGAAATATGGGAAGGTGGTGGGCGCAAGGTTGTGACAAATGCCCGGA
 CTCTGGAGCTCGCTGTTACGGTTTTGTACGATGTCCACAGCAGAAGAGGCCAAAAATGCATTAAACA
 CCTGCACAAGACGGAGCTCCACGAAAGATGATCTCCGTGGAGAAAGCCAAAAATGAACCTGTGGGAAAG
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 TAAGGACCAAGATGATCAGAAACCTGGCCCTCAGAGCGATCTCGAGCCACAAAGTCAGGAAGTCGAGGG
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 AAGAGAGAGCTTCCAAAAGCCAGGATCGCAATCAGCCAGCAGAGAGAAGCGGTCCGTGTCCTTTGA
 TAAGGTCAAGGAGCCTCGAAGTCAAGAGACTCAGAGTCCCATAGCAGGGTGCCTGAACGCAGTGAACGC
 GAACAACGCATGCAGGCGCAGTGGGAGCGGAGGAGCGTGAGCGGCTGGAGATTGCCGAGAGAGGCTGG
 CCTCCAGCGCCAGCGGCTGGAGCGGGAGCGCATGGAGCGGGAACGGCTGGAGCGCGAACGCATGCACGT
 GGAGCACGAGCGCAGGCGGAGCAGGAGCGCATCCACCCTGAGCGCGAGGAGCTGAGCGCCAGCAGGAA
 CTGCGCTATGAGCAGGAGCGGGCCCGCGGTGCGGCGGCCCTACGACCTGGACCGGCGAGATGATGCCT
 ATTGGCCGAAGCCAAGCGGGCCCGCTGGATGAGCGCTACCATTTCTGACTTTAACCGCCAGGACCGCTT
 CCACGACTTTGACCACAGGGACCGCGCCGCTACCCCGACCACTCGTGGACAGGAGAGAAGGTTCAAGG
 TCAATGATGGGAGAACGAGAAGGACAGCATTACCCAGAACCCATGGAGGACCAGAGCGCCACGGCCGGG
 ACTCCCGCATGGCTGGGGGGCTATGGCTCTGACAAGAGGATGAGCGAGGGCCGGGGCTGCCTCCTCC
 CCCCAGGGGCAGACGTGACTGGGGGACCATGGCCGAAGAGAGGATGACCGGTGATGGCAGGGCACGGCC
 GACGGGGCATGATGGACAGGGATCACAAGAGGTGGCAAGGTGGCAGAGAGAAGCATGTCCGGTCACTCCG
 GGCTGGCCACATGATGAACCGAGGAGGAATGTACGGCGCGGAGCTTTGCCCGAGCGGGGCTCCCG
 GGGCCACCCATCCACACGGTGGCATGCAGGGCGGGTTTGGAGGCCAGAGCCGGGGGAGCAGGCCACAG
 GATGCCCGCTTCACTCGCCGCTAC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG234961 representing NM_001201340
 Red=Cloning site Green=Tags(s)

MAETLSGLGDSGAAGAAALSSASSETGTRRLSDLRVIDLRAELRKRNVDSGNGKSVLMERLKKAIIEDEGG
 NPDEIEITSEGNKTKSRSSKGRKPEEEGVEDNGLEENSGDGQIEDKETINNLDTSSSDFILQEIEEPS
 LEPENEKILDILGETCKSEPVKEESSELEQPFADTSSVGPDRKLAEEEDLFDSAHPPEEGDLASESTA
 HAQSSKADSLAVVKREPAEQPGDGERTDCEPVGLEPAVEQSSAASELAEASSEELAEAPTEAPSPEAR
 SKEDGRKFDFDACNEVPPAPKESSTSEGADQKMSSPEDDSDTKRLSKEEKGRSSCGRNFWVSGLSSTTRA
 TDLKNLFSKYGKVVGAKVVTNARSPGARCYGFTVMSTAEATKCNHLHKTTELHGKMSVEKAKNEPVGK
 KTSKRDSDGKKEKSSNSDRSTNLKRDDKCDRDKDAKKGDDGSGEKSQDQDQKPGPSESRATKSGSRG
 TERTVVMKSKGVPVIVKTSKSKERASKSQRKSASREKRSVVSFDKVKPRKSRDSESHSRVRETSER
 EQRMQAQWEREERERLEIARERLAFQRQLERERMERERLERERMHVEHERRREQERIHREEREELRRQE
 LRYEQERRPAVRRPYDLDRRDDAYWPEAKRAALDERYHSDFNQRDFHDFDHRDRGRYPDHSVDRREGSR
 SMMGEREQHYPERHGGPERHGRDSRDGWGGYGSKRMSEGRGLPPPPRGRRDWGDHGRREDDRSWGTA
 DGGMMDRDHKRWQGGERSMSGHSGPGHMMNRGGMSGRGSFAPGGASRGHPIPHGGMQGGFGGQSRGSRPS
 DARFTRRY

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_001201340.2](#)

RefSeq Size: 2914 bp

RefSeq ORF: 2547 bp

Locus ID: 6294

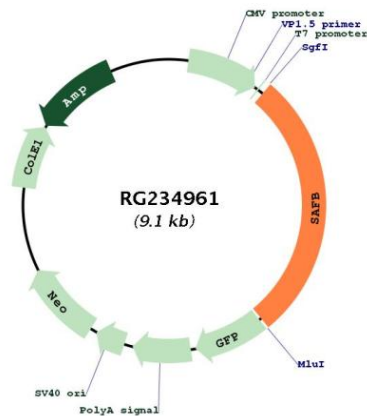
UniProt ID: [Q15424](#)

Cytogenetics: 19p13.3

Protein Families: Druggable Genome, Transcription Factors

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 RG234961