

Product datasheet for **MG215176**

Safb (NM_001163300) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Safb (NM_001163300) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Safb
Synonyms:	3110021E02Rik; 5330423C17Rik; AU018122; D18386; E130307D12; HAP; HET; 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:

>MG215176 representing NM_001163300
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGACTCTGTCTGGGTTTAGGAGACCGAGTGCAGCGGGCGGGCGGCCGTGAGCTCCGCGCGCT
 CAGAGACCGGGACGCGGGGCTCAGCGACTGCGGGTGATCGACCTGCGGGCGGAGCTGAAGAAGCGGAA
 CCTCGACTCGAGCGGCAACAAGAGCGTGTGATGGAGCGGCTGAAGAAGGCCATTGAAGATGAAGGTGGG
 AATCCTGATGAAATTGAAGTCACTCAGAATGCAACAAGAAGATGCCTAAGAGGCCAGCAAAGGGAGGA
 AACCAAGACGAGGGTGTGGAGGACAACGGGCTCGAGGAGAATTCTGGGGATGGCAGGAGGATGTGGA
 GACCAGCTGGAGAACCTGCAAGACATGGATATGATGGACATCAGTGTCTGGATGAGGCTGACATTGAC
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 CTGAAGTGTAGAAGGAGATTTGAAAGGGCTCCAGAACAGCTGCAGGAGCATGCTATAGATGACAAGGA
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 GAGCCAGAAAATGAGAAAATACTCGACATTTTGGGGGAACTTGTAAATCTGAGCCAGTAAAAGAAGAA
 GTTCGGAGCTGGAGCAGCCCTTTGCCAGGCCACGAGTAGCGTGGGGCCAGACAGGAAGCTGGCGGAGGA
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 GAGCAGGAGGAGGAGGAGATTTAGCTTTGGCCAGCAGCAAGTCTGAGTCTCCAAGCACTCGGTGTC
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 AAAGAGTCTCGAAAGTCCAGAGACTCAGAGTCTCGGAGGGAACGGGAGCGCAGTGAAGCGGGAGCAGAGGC
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 CCACGTGGAGGGATGCAGGCAGGCTTTGGAGGACAGAGCCGGGAAGCAGACCCAGTGTGCCCGCTTCA
 CCCGCCGTAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG215176 representing NM_001163300
 Red=Cloning site Green=Tags(s)

MAETLSGLGDASAAGAAVSSAASETGTRRLSDLRVIDLRAELKKRNLDSSGNKSVLMERLKAIEDEGG
 NPDEIEVTSECNKMKPKRPSKGRKPEDEGVEDNGLEENSGDGQEDVETSLLENLQDMMDISVLDEADID
 NGSVADCVVEEEEATLPEGLADSTELVEGDLKGLPEQLQEHAIDDKDVTNNVDTSSSDFTMLQEMEEASL
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 EQEEEGDLALASSKSESPSTRCQWSEADAPLAVVKREPADAPGGGTGMDREPVGLEEPVEQSSTAQLP
 EATSQELVRAPTAALSPEPQDSKEDVKKFAFDACNDVPAPPKESSASEGADQKMSVVEEDSDTKRLSREE
 KGRSSCGRNFWVSGLSSTTRATDLKNLFSRYGKVVGAKVVTNARSPGARCYGFTVMSTAAEATKCI SHLH
 KTELHGKMI SVEKAKSEPTGKRVPPDRRDGDSKKEKASTSDRSANLKREEKGERKDDAKTDDGSTSKD
 ADDQKPGPSERSRTTKSGSRGTERTVMDKSKGVPVIVKTSKSKERASKQDRKSASREKRSVVSFDKV
 KESRKS RDSESRERERSEREQRLQAQWEREERERLEIARERLAFHRHLERERMERERLERERMHVEQE
 RRREQERIHREEREELRRQQLRYEQERRPAVRRPYEVDGRRDDAYWPEAKRAALDDRYHSDFSRQDRFHD
 FDHRDRGRYPNHSVDRREGSRSMMDREGQHYPERHGGPERHGRDSRDGWGYGSNKRLSEGRGLPPPPRR
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 PRGGMQAGFGGQSRGSRPSDARFTRRY

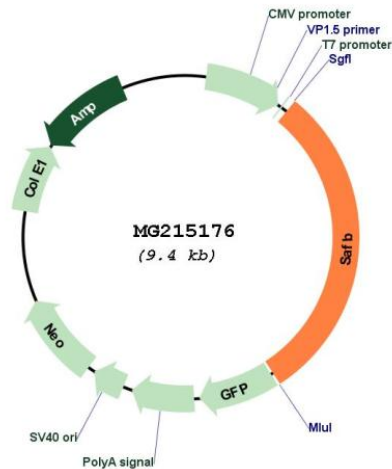
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001163300

ORF Size: 2811 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:

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_001163300.1](#), [NP_001156772.1](#)

RefSeq Size: 3183 bp

RefSeq ORF: 2814 bp

Locus ID: 224903

UniProt ID: [D3YXK2](#)

Cytogenetics: 17 D

Gene Summary:

Binds to scaffold/matrix attachment region (S/MAR) DNA and forms a molecular assembly point to allow the formation of a 'transcriptosomal' complex (consisting of SR proteins and RNA polymerase II) coupling transcription and RNA processing. Can function as an estrogen receptor corepressor and can also bind to the HSP27 promoter and decrease its transcription. Can inhibit cell proliferation. When associated with RBMX, binds to and stimulates transcription from the SREBF1 promoter.[UniProtKB/Swiss-Prot Function]