

Product datasheet for **MR215176**

Safb (NM_001163300) Mouse Tagged ORF Clone

Product data:

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

>MR215176 representing NM_001163300
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGAGACTCTGTCTGGGTTTAGGAGACCGAGTGCGGCGGGCGGGCGGCCGTGAGCTCCGCGCGCT
 CAGAGACCGGGACGCGGGCGCTCAGCGACTGCGGGTGATCGACCTGCGGGCGGAGCTGAAGAAGCGGAA
 CCTCGACTCGAGCGGCAACAAGAGCGTGTGATGGAGCGGCTGAAGAAGGCCATTGAAGATGAAGGTGGG
 AATCCTGATGAAATTGAAGTCACTCAGAATGCAACAAGAAGATGCCTAAGAGGCCAGCAAAGGGAGGA
 AACCAAGACGAGGGTGTGGAGGACAACGGGCTCGAGGAGAATTCTGGGGATGGCAGGAGGATGTGGA
 GACCAGCTGGAGAACCTGCAAGACATGGATATGATGGACATCAGTGTCTGGATGAGGCTGACATTGAC
 AATGGCAGCGTGGCAGACTGTGTGGAGGAAGAGGAGGAGCCACACTCCCTGAGGGCCTAGCAGACAGCA
 CTGAAGTGTAGAAGGAGATTTGAAAGGGCTCCAGAACAGCTGCAGGAGCATGCTATAGATGACAAGGA
 CACCGTTAACAATGTAGATACGTATCATCTGACTTCACCATGCTGCAGGAGATGGAAGAGGCATCTTTG
 GAGCCAGAAAATGAGAAAATACTCGACATTTTGGGGGAAACTTGTAAATCTGAGCCAGTAAAAGAAGAA
 GTTCGGAGCTGGAGCAGCCCTTGGCCAGGCCACGAGTAGCGTGGGGCCAGACAGGAAGCTGGCGGAGGA
 AGAGGACCTATTTGAGAGCTGCGGCCACCCGGAAGAGGAAGAGGAGGAAGAAGATCAGGAAGAG
 GAGCAGGAGGAGGAGGGAGATTTAGCTTTGGCCAGCAGCAAGTCTGAGTCTCCAAGCACTCGGTGTC
 AGTGGAGCGAGGCAGATGCCCGTTAGCAGTAGTAAAAGGGAGCCGCGAGATGCGCCTGGCGGAGGCAC
 TGGGATGGACCGCAGCCTGTAGGGCTAGAGGAGCCAGTTGAACAGAGTAGCACGGCTGCCAGCTCCCG
 GAGGCCACAGCCAGGAGCTGGTGGAGCGCCACGGCAGCCCTGAGCCCTGAGCCCAAGATAGCAAAG
 AAGAGCTGAAGAAGTTTGGCTTTGACGCTTGTAAATGACGTCCTCGCCCTCTAAAGAGCTCTCAGCCAG
 TGAGGGCGCTGATCAGAAAATGAGTTCTGTGGAGGAGGACTCGGATACAAAAGGCTTTCCCGAGAAGAG
 AAGGGTGCAGCAGCTGTGGTAGGAATTTCTGGGTTAGTGGCCTTTCGTCTACAACCAGAGCCACGGATC
 TGAAGAACCTGTTTAGCAGATATGGGAAGTGGTGGTGCTAAGGTTGTGACGAACGCCGGAGTCTGG
 AGCTCGTGTTATGGCTTTGCTACTATGTCCACAGCTGAAGAGGCAACAAAATGCATTAGCCATTTGCAC
 AAGACTGAGCTGCATGGCAAGATGATCTCAGTGGAAAAGGCCAAAAGTGAAGCCACTGGCAAAAAGAGTGC
 CTGACAGCGGAGATGGGACAGCAAGAAGGAGAAGGCCAGCACCAGTGCAGATCTGCAACCTTAAGAG
 GGAGGAGAAAAGGTGAGAGAAAAGACGATGCCAAGAAGACAGATGATGGGAGCACAGAGAAGAGCAAAGAC
 GCAGATGACCAGAAACCTGGGCCTTCAGAGCGCTCGCGAACGACCAAGTCAGGAAGCCGTGGCAGTGCAGC
 GCACTGTGGTGTGAGACAAGTCCAAGGTGTGCCTGTCATCAGTGTGAAAACATCTGGGTCTAAAGAGAG
 AGCCTCCAAAAGTCAAGACCGGAAGTCAAGCCAGCCGGGAGAAGCGGTCTGTTGTGTCTTTGACAAAGTT
 AAAGAGTCTCGAAAGTCCAGAGACTCAGAGTCTCGGAGGGAACGGGAGCGCAGTGAAGCGGGAGCAGAGGC
 TGCAGGCCAGTGGGAGCGGGAGGAGCGAGAGCGGCTGGAGATTGCTCGTGAAGCGCTTGGCATTCCACCG
 CCATCGGCTAGAGCGTGAACGCATGGAGCGGGAGCGGCTGGAGCGGGAGCGGATGCATGTAGAACAGGAG
 CGGAGGCGTGAGCAAGAGCGCATTCACCGAGAGCGAGAGGAGCTTCGGCGTCAGCAGGAGCTGCGCTATG
 AACAGGAGCGCCCGCTGCTGTGCGCAGGCCATGAAGTGGATGGCCGGCGAGATGATGCCTATTGGCC
 AGAAGCTAAACGGGCTGCTCTGGATGACCGTTACCACTCAGACTCAGCCGCCAGGACCGCTTTACAGC
 TTCGACCACAGAGACAGAGGCCGTTATCCCAACCACTTGTGGATAGGAGAGAAGGTTACGGTTCGATGA
 TGGGAGACAGAGAAGGACAGCATTACCCTGAACGCCATGGAGGACCTGAACGCCATGGCCGGGACTCTCG
 AGATGGCTGGGGCTATGGTTGCAACAAGAGATTGAGTGAAGGCCGGGGGCTGCCCTCCTCCAGGCGT
 GACTGGGGGAGCATGGCCGGGACTTGAAGATGACCGGCATGGCAGGGCACGGCTGATGGAGGCATGA
 TGGAGCGTGATCATAAGAGGTGGCAAGGTGGTGGAGGAGCATGTCTGGCCACTCGGGCCCTGGTACAT
 GATGAACCGTGGTGCATGTGAGGGCAGGCAGTTTTGCCCGAGGAGGCTTCTCGTGGCCATGTGATC
 CCACGTGGAGGGATGCAGGCAGGCTTTGGAGGACAGAGCCGGGAAGCAGACCCAGTGTGCCCCGCTTCA
 CCCGCCGCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215176 representing NM_001163300
 Red=Cloning site Green=Tags(s)

MAETLSGLGDASAAGAAVSSAASETGTRRLSDLRVIDLRAELKKRNLDSSGNKSVL MERLKAIEDEGG
 NPDEIEVTSECNKMKPKRPSKGRKPEDEGVEDNGLEENSGDGQEDVETSLLENLQDMMMDISVLDEADID
 NGSVADCVEEEEATLPEGLADSTELVEGDLKGLPEQLQEHAIDDKDTVNNVDTSSSDFTMLQEMEEASL
 EPENEKILDILGETCKSEPVKEEGSELEQPPAQATSSVGPDRKLAEEEDLFCSCGHPPEEEEEEDQEE
 EQEEEGDLALASSKSESPSTRCQWSEADAPLAVVKREPADAPGGGTGMDREPVGLEEPVEQSSTAQLP
 EATSQELVRAPTAALSPEPQDSKEDVKKFAFDACNDVPAPPKESSASEGADQKMSVVEEDSDTKRLSREE
 KGRSSCGRNFWVSGLSSTTRATDLKNLFSRYGKVVGAKVVTNARSPGARCYGFTVMSTAEATKICISHLH
 KTELHGKMI SVEKAKSEPTGKRVPPDRRDGDSKKEKASTSDRSANLKREEKGERKDDAKTDDGSTESKD
 ADDQKPGPSERSRTTKSGSRGTERTVMDKSKGVPVIVKTSGSKERASKQDRKSASREKRSVVSFDKV
 KESRKS RDSESRERERSEREQRLQAQWEREERERLEIARERLAFHRHLERERMERERLERERMHVQE
 RRRERQERIHREEREELRRQQLRYEQERRPAVRRPYEVDGRRDDAYWPEAKRAALDDRYHSDFSRQDRFHD
 FDHRDRGRYPNHSVDRREGSRSMMDREGQHYPERHGGPERHGRDSRDGWGYGSNKRLSEGRGLPPPPRR
 DWGEHGRRL EDDRAWQGTADGGMMERDHKRWQGGERSMSGHSGPGHMMNRGGMSGRGSFAPGGASRGHVI
 PRGGMQAGFGGQSRGSRPSDARFTRRY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9103_g09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



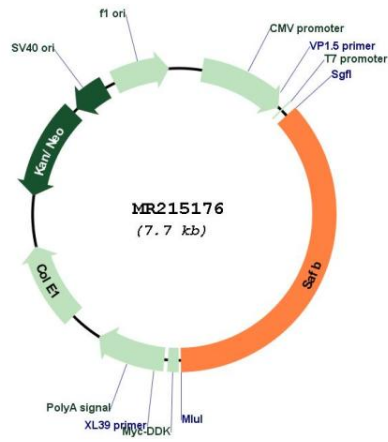
* The last codon before the Stop codon of the ORF

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:	<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_001163300.1 , NP_001156772.1
RefSeq Size:	3183 bp
RefSeq ORF:	2814 bp
Locus ID:	224903
UniProt ID:	D3YXK2
Cytogenetics:	17 D
MW:	105.1 kDa
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]

Product images:



Circular map for MR215176