

Product datasheet for **RC215199**

SAFB (NM_002967) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAFB (NM_002967) 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:

>RC215199 representing NM_002967, **codon optimized.**

Due to the complexity of NM_002967, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCGAAACCTGTCTGGACTCGGCGACAGCGGCGCAGCCGGAGCTGCCGCCCTGAGCAGCGCCAGT
TCAGAGACAGGTACCAGAAGGCTCAGTGATTTGCGGGTCATAGATTTGCGGGCAGAATTGAGAAAAAGA
AACGTCGACAGTTCTGGGAACAAGTCAGTGCTTATGGAGCGACTCAAAAAAGCCATCGAGGACGAGGGC
GGGAATCCCGACGAGATCGAGATAACGTCCTGAGGGGAACAAAAACAAGCAAGAGGTCTAGCAAGGGC
CGCAAGCCAGAGGAAGAAGGCGTCAAGATAATGGACTGGAGGAGAACAGTGGTGACGGCAGGAAGAT
GTCGAGACTTCTTTGAAAACCTGCAAGATATCGATATTATGGACATTTCCGTCTTGACGAAGCGGAG
ATCGACAACGGTAGTGTGGCCGATTGCGTGGAGGACGATGACCCGATAACCTGCAGGAGAGTCTGTCT
GATTCACGCGAGTTGGTTGAGGGCGAGATGAAGGAGCTGCCCAACAGCTTCAAGAACACGCCATTGAG
GACAAAGAAACCATCAATAACCTTGACACGAGCAGCAGTGATTTTACCATCTTGCAAGAAATAGAAGAG
CCTTCTCTGGAACCCGAAAACGAGAAAATTCTGGACATCTGGGGGAGACTTGCAAAATCAGAGCCCGTG
AAAGAAGAATCTCTGAACTGGAACAACCTTTCGCACAGGACACTAGCTCTGTGGCCCCGATCGAAAA
TTGGCTGAAGAGGAGGACCTTTTCGACTCAGCCACCCCGAGGAGGGTGACCTGGATCTGGCCAGCGAA
TCAACAGCACATGCGCAATCATCCAAGCAGATCACTGTTGGCCGTAGTGAAACGAGAGCCAGCCGAG
CAGCCAGGGGACGGAGAAAGAACCAGCTCGGAGCCTGTGGCCTTGAGCCAGCAGTGGAACAGAGCAGT
GCAGCATCAGAAATTGGCGAAGCATCAAGTGAAGAGCTGGCCGAAGCCCCACAGAGGCACCTAGCCCT
GAAGCTCGCGACTCTAAAGAGGACGGCAGGAAAATTTGATTTTACGCATGCAACGAGGTGCCACCAGCG
CCAAAGGAGAGCAGTACATCAGAAGCGCCGACCAGAAAATGTCTAGCCCTGAGGACGACTCCGATACA
AAGAGGTTGAGCAAAGAGGAGAAAGGCCGAAGCAGTTGCGGACGCAACTTTTGGGTGTCTGGCCTTCC
TCCACCACAAGGGCTACCGACTGAAGAACCTTCTCAAAGTACGAAAGGTGGTGGGCGCAAAAGTG
GTTACTAATGCACGACCCCTGGTCCCGCTGCTATGGATTTGTAACATGAGCAGCGCTGAAGAAGCT
ACAAAGTGTATCAATCACCTCCACAAGACTGAACTGCATGAAAAATGATCAGTGTGAGAAGGCCAAA
AACGAACCAGTGGGAAAAAACATCTGACAAGAGGGACAGCGATGGTAAGAAGGAAAAAGCAGCAAT
TCTGATCGCAGTACAAATCTTAAACGAGATGACAAATGTGACCGAAAGACGACGCAAGAAAGGCGAC
GATGGGTCCGGGAAAAATCTAAGGATCAGGATGACCAAAAGCCGGGACCATCAGAAAGGAGCCCGCT
ACGAAAAGCGGGAGCCGGGACCCGAACGCACGGTTGTAAATGGACAAGAGTAAAGGCGTTCTGTTATA
AGCGTCAAGACGAGCGGATCTAAGGAGAGGGCCAGTAAGTCTCAAGACCGGAAGTCAGTTCTAGAGAA
AAGAGAAGCGTTGTGAGCTTTGATAAGGTTAAGGAGCCAAGGAAGAGCAGGGATTAGAGTCTCACAGC
CGGGTCCGGGAACGCTCAGAGCGCGAGCAGCGCATGCAGGCCAGTGGGAGAGAGAAGAGCGGAAAGG
CTTGAGATTGCCAGGAAAGGTTGGCCTTTCAGCGCCAGCGACTTGAGAGGGAGCGCATGGAGCGGGAG
AGGCTTGAGCGAGAACGCATGCACGTGAGCATGAAAGGAGACGGGAACAAGAGCGGATACACCGAGAA
CGCGAGGAGCTCAGACGACAGCAAGAGCTTAGGTATGAGCAGGAACGAAGACCTGCAGTCCGGCGGCT
TACGACCTTGATCGGCGGACGACGCATATTGGCCAGAGGCTAAAAGGGCTGCATTGGACGAGAGATAC
CACTCAGATTTCAATAGGCAGGACAGATTTACAGACTTCGACCACCGGGATAGGGGGAGATACCGGAC
CACTCCGTGGACCGGCGGAAGGGTCCCGGAGCATGATGGGAGAGCGGAGGGGCAACATTATCCAGAG
CGACACGGCGGCCCTGAACGGCATGGACCGGACTCTCGGGACGGATGGGGGGGTACGGTCCGATAAG
AGAATGTCAGAAGGGCGGGTCTTCCCCACCTCTAGGCGGATTGGGGCGATCACGGCCAGCGGAA
GACGACCGATCTGGCAGGAACTGCTGACGGCGGAATGATGGACAGGGACCACAAGCGGTGGCAGGGT
GGTGAGCGATCAATGAGCGGACACTCCGGCCCTGGCCACATGATGAATCGCGCGGCATGTCTGGTCGC
GGGAGTTTTCACCTGGCGGCGCTCCAGGGTATCCGATTCCCATGGGGCATGCAGGGTGGCTTT
GGTGGCCAAAGCCGCGGATCCCGCCCTAGCGACGCCAGGTTTACCGCCGCTAC
ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_002967.1, NM_002967.2, NM_002967.3, NP_002958.2</p>
RefSeq Size:	<p>3115 bp</p>
RefSeq ORF:	<p>2748 bp</p>
Locus ID:	<p>6294</p>
UniProt ID:	<p>Q15424</p>
Cytogenetics:	<p>19p13.3</p>
Domains:	<p>RRM, SAP</p>
Protein Families:	<p>Druggable Genome, Transcription Factors</p>
MW:	<p>102.6 kDa</p>

