

Product datasheet for **RN217227**

Fscb (NM_001271107) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fscb (NM_001271107) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Fscb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217227 representing NM_001271107

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAAGAAAGTGATGAACCTGAGCAGCCTATATCGTTAGGAAGGCAGGAATATAGAAGGAGAAGACTAC
 CCAGCCAAACCAATGGTAGATAAGTCCCAGCAGACTGAAATAGGAGAAAAAAGAAAGGTATGGCTGCAGT
 ACAACCCCTGCCCTAAAGCTACCCATAGTATTGGTAATATTCTGGAGGTAAGGCCAACTACTCTGGA
 AAAGAATATGAGTCTCTTATACTGTCTCACTTCAGCAAACCTGGATGAAGAGAAAGCAAGGCCAGG
 AAATGACTGACAAATCTTTTCAGACAGACCTCTGTGGAAGAAAAAGTGAAGTCATATTCATGGATAA
 AGCACTTGAAGAAACTCAGCTAGTGTGGAGAAATAGCTCCTGCATCGCCACAGGGTGTTCAGAAAGTA
 GAGATTCCAACAAGCAGACCCCCAGTCTTTAATAGACAGAGCTCAGCAGACCAGCTGTACTGGTGACT
 GGAGCCTGATAAGCATTTGCTCAAAAGATAAAGTGGACAAAGAACAACAGACCTACTTCAGTGAGTTAGA
 AACTACTGTCAAGTCTATGCCAGGTAGCTCCCTGATTAAAGTCAAAGGAAGAAACAGTACCTATTGCAGAA
 GATGGTTCTTTGGTGGAATAGATGGTTCTCTCGAAATAGAGGTTCTGTCAACTGAAAAATCCCCGATG
 TAGTGATGTCTTTTACTGAAGGGGAGATTTCTGGTGAATTACAGGCTGTACCAGATGATGAGGCCACAGT
 TAAAGCAGAACATTTCTTTACAGAGGAGACCTCTATTCAAGCACCATCTCTAGCTAAAGAGACCTCTGCA
 GCTGAGACAACCGCTAAAACCCCAAGAAATTTGTGGACATACAGGCTTTACCAGCTGATGAGCTTTCTT
 CTACAGAGCCTCTGCTGACATTCGTCTCCATTAGTGAAAGGGGACTCTTTCAGAGGAGCCTTCTGATCA
 ACAGTATCCCAAGGAAGTGTGGTGGCTCCTTCAGAACTTCTGTTGAAGATCTGGTTCCTCTCAGAA
 GAGGTGCTTGAGAAAGTCAAGCTTTAGCAATTGACACTATCCTTGATGACTCAGGCAGAGCAGAGTCTA
 CTACTGTTGAAGAGGCTACTGGTGAAGTCCAACCTCCTGTCTGAAGAGATTACTAAAGAAGTACCTGC
 TGAAGTTCAATTTACCAATAGCTACACACTCTAAAGAAATTTGTTATTATAATAGATAAGGAATTTGCTATT
 GATGAGGACTTTGAAGATCAGCCTCCATTCATTACAGAAGTTGCTGAAGATGAGGCTACTGCAGAAGTTC
 AGCCTCCATCAGCAGAGGATGCTCCTGAAGAAGTGGCTCCTTCAGAAGTTCTACCTCCACCTACTGAACA
 GGGCACTGTAGAACACATGACTGCAGAAGTTCTATCTCCATCACTGAAGTGGGCCCTGCAGAAGTTCCA
 CCTCTACCAACTGAGGAGTGGCCTCTACCTCCAGTAACTGAGGAGAGCCCTGCAGAAGTTACACCTCCAG
 AAACAGAGGAGGGCCCTATAGAACCAGCTGAGGAGGGCCCTGAAGATGGCCTACTTTTACCAACTGAGGA
 GATCCCTTCAGAAGTTCAGCCTCCATCCCTTGAGAAGTTCTCTAGAAGAAGTAGTGATTCCACAAGCT
 GAGGAAGTTCTCTAGATGATTTACCCATTGAAGTGCAACCTTTGCCAGCTGAGAACATTGCAGGATGGG
 TCCAGATGAATTTAGGCTTTTCCAGTTGATGAATACCCTGCAAGAGAGGACACTGTTGAAGTCCAGCC
 TTCTCTATTAGAGAGTGCTCCAATAGAAGAAAGCTCTGTTGAAGCTCAGCTTCTAGCAGCTGAGGCAGAT
 ACTGCAGAAATTGAAGAGACTCTACAGAAGTGGCACCAGCTGAAGATCAGCTTCTACCAGCTGAGGAAG
 TGGTCTTAAAAGTAGAAGTTGCTACAGCTTGGTCTCCCTTATCTGAGTTGCCTCTGCAGAAGAAGCCAC
 TGTGGAAGCCCACTGACATCGTTGAAGAGAGCTTGAAGAAGTCTGTTGATGTTGAGCCTCCACCA
 CTTGACACCCTTGCAAGAGTCTCCTGCTGTCAAACAGCCTTTAAAACTGATGTGGTTCTATGCCAG
 AGTTTCTGGGAAGAGATGACTGCTCAAGATCCACTTCCACCTTCAGTAAAAACCCAGTAGATCAGGA
 TCTACTAAAAGAACATCAATTGCCGAGATAGCAGACATCTACAAGTAAATTTGGAGTATACTACTTTC
 ACAGGTGATAAAAAGTCTAAAGGAACAGATTCTGTTCTGAAAGATGTAAGTGGGATCAAGGACGATCAGA
 TCTCCACTTTCAAATAGAAGGTACCATTTAAATAGAGTTAAAGAACTCCACTTCC**TA**A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001271107

Insert Size:

2439 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001271107.1, NP_001258036.1</u>
RefSeq Size:	2793 bp
RefSeq ORF:	2439 bp
Locus ID:	500659
UniProt ID:	<u>Q4V7A4</u>
Cytogenetics:	6q24
Gene Summary:	May be involved in the later stages of fibrous sheath biogenesis. Binds calcium (By similarity). [UniProtKB/Swiss-Prot Function]