

Product datasheet for **SC108157**

FAM89B (NM_152832) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM89B (NM_152832) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM89B
Synonyms:	LRAP25; MTRV; MTRV1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152832, the custom clone sequence may differ by one or more nucleotides

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ATGAACGGGCTGCCCTCGGCAGAGGCGCCGGGGCGGGCTGCGCTTTGGCCGGGCTCCCACCGCTGC  
CGCGCGGCCTCAGCGGCCTCCTTAATGCGAGCGGGGGCTCGTGCGGGAGCTGGAGCGCTACAGCCA  
GCGCAGCCGCATCCACGACGAGCTGAGCCGCGCCCGCCCGGACGGGCCCGCCACGCCCGCGGC  
GCCGCCAACCGGGACCCGACCCGCGCCCGCTCGTCAACCTCGACTCAGCGCTGGCCGCGCTGC  
GCAAGGAGATGCTGTGGGCCTGTACGAGTCAATCCAGGACTACAACACCTGTGCCAAGACCTGAGCTT  
CTGCCAGGACCTGTCATCCTCCCTCCATTCCGACAGCTCCTACCCACCGGATGCGGGCCTGTCTGACGAC  
GAGGAGCCTCCCGATGCCAGCCTGCCTCCTGACCCGCCACCCCTTACTGTGCCCCAGACGACAATGCC  
GTGACCAGTGGCTGCAGGATGCCTTCCACATCAGCCTCTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_152832 unedited
 NGGGGGGTTCAAATTTGTATACGACTCACTATAGGCGGCCGCGATTTCGGCAGAGGCTGAG
 CTTCTGCCAGGACCTGTCATCCTCCCTCCATTTCGGACAGCTCCTACCCACCGGATGCGGG
 CCTGTCTGACGACGAGGAGCCTCCCGATGCCAGCCTGCCTCCTGACCCGCCACCCCTTAC
 TGTGCCCCAGACGCACAATGCCCGTGACCAGTGGCTGCAGGATGCCTTCCACATCAGCCT
 TGGAAGGGCTGGGGGGCAGGGGGCATGCACCCATGCAAAAAGGCTCAGAAACTCCCCCTCC
 GGCAAGCCCTCAGACTTCGGAGCCTGCGCCTTCCCCCTACCCGCTCACCTCACAGGAGG
 GCCAGGCATGTATTCCTCAGAGGCGAAACTGCCAAACTCTTCTCCTGTCTTGGGTGGC
 TGGCACTGGGGCGGCATCTAGGGTACAGCCTCTGCTCATGGCACTGGGCCTCCAGTTCT
 TCCACATGTGTGCACCCCAAGCTTGCCCAACCCTCAGCCTTTCGGTGGGGCCGAAGCAT
 CTTCCCTTCCGCTTGGCGTCTCTGGGATTGGGATGAGTGCCTGGCTCCCATCTCCTCCTC
 ACCTTTTGTGCTATCGGCAGCTGCTGGCTCAGGGGCATCCACCTCCGGGCTCTGGGT
 CCTCTGCCCTGGAAGGGCTCCAGGACCCGTCCCAATAACCACCCACGCCAGGAGGGCCA
 AGGCCCGTGCTGGATATTTAAATTTANNGGGCCGGTCTCCAGGGCGCGTAGATNAATAA
 ATACACTCAGCGTCAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAG
 CTGNTTCTGAACAGATCCCGGTGGCATCCCTGTGACCCTNCCCATGCCTCTNCTGGCCN
 TGNNAAAGTGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_152832 unedited
 ATGGACCGCGCCGCTATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGACGCTGAGTGT
 ATTTATTTATCTACGCGCCCTGGAGACCGCCCTAAATTTAAATATCCAGCACGGGGCC
 TTGGCCCTCCTGGCCGTGGGTGGTTATTGGGACGGTCTGGAGCCCTTCCAGGGCAGAG
 GAACCCAGAGCCCGGAGGTGGGATGCCCTGAGCCAGCAGCTGCCGATAGCAACAAAAGG
 TGAGGAGGAGATGGGAGCCAGGCACTCATCCCAATCCCAGAGACGCCAAGCGGAAGGGAA
 GATGCTTCGGGCCCCACCGCAAGGCTGAGGGTTGGCCAAGCTGGGGGTGCACACATGTGG
 AAGAACTGGAGGCCAGTGCCATGAGCAGAGGCTGTACCCTAGATGCCCGCCCAAGTGC
 AGCCAACCAAGACAGGAGAAAGAGTTTGGCAGTTTCGCCTCTGAGGAATACATGCCTGG
 CCCTCCTGTGAGGTGAGGCGGTAGGGGGGAAGGCGCACGCTCCGAATTCTGAGGGCTTGC
 CGGAGGGGGAGTTTCTGAGCCTTTTGCATGGGTGCATGCCCTGCCCCAGCCCTTCA
 GAGGCTGATGTGAAGGCATCCTGCAGCCACTGGTCACGGGCATTGTGCGTCTGGNGCAC
 AGTAAGGGGTGGCGGGTACAGAGGCAAGCTGGCATCGGGAGGCTCCTCGTCTGACAGAG
 GCCCGCATCCGGTGGGTAGGAGCTGTCCGAATGGATGGAGGATGACAGGTCTGGCAGAA
 GCTCAACCTCTGCCGATTNCGCGCCGCCCTATAGTGAGTCGTATACAAAATTCTGACGT
 TCACTAGACGAGCTCTGCCTATATAGACCTGCACCGTACACGCCTACGCCCTTTGCGTC
 AACAGGCCGGGGTATTACGACATTCTGGCAAGTCCCCGTTGATTTGGGTGTCAAAACAA
 CTCCTTACGCTCATGGC

Restriction Sites:

NotI-NotI

ACCN:

NM_152832

Insert Size:

900 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).

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_152832.1 , NP_690045.1
RefSeq Size:	1437 bp
RefSeq ORF:	531 bp
Locus ID:	23625
UniProt ID:	Q8N5H3
Cytogenetics:	11q13.1
Protein Families:	Druggable Genome
Gene Summary:	<p>Negatively regulates TGF-beta-induced signaling; in cooperation with SKI prevents the translocation of SMAD2 from the nucleus to the cytoplasm in response to TGF-beta. Acts as an adapter that mediates the specific recognition of LIMK1 by CDC42BPA and CDC42BPB in the lamellipodia. LRAP25-mediated CDC42BPA/CDC42BPB targeting to LIMK1 and the lamellipodium results in LIMK1 activation and the subsequent phosphorylation of CFL1 which is important for lamellipodial F-actin regulation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region, compared to variant 1, resulting in a shorter protein (isoform 2).</p>