

Product datasheet for **SC322584**

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: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322584
 CCACGCGTCCGAGAAACCACGCCTGCCCCCTTCAGCCTTTTCCCCCTCCGCCGATTTT
 TCCATCTCCCCTTGAGTGAGTGGATGTCCCGTTGCCCTTTTCTCAGCTTTGCGCGACGTGG
 TCCCACAACCGTTGCCTTTTAAAGAGAGGCCCGCCCATCCAGAGGGGGTGGGGCAGAGG
 CGGAGTCTGAGGAGCTGGGAAGGAACAAGCGAGGCCTGCGGGCGGGCGCTGGGCTCCG
 GCGGGGCCGCGGGTGGGGGCTGCGGGCGGGCCCGGGCGGAGCGTTGGAGGGAAGG
 AGGTGGCATCGCCGTCCGCGCCGCCCGGCCATGAACGGGTGCCCTCGGCAGAGGCGC
 CGGGCGGGGCGGGCTGCGCTTTGGCCGGGCTCCCACCGCTGCCGCGGGCCTCAGCGGCC
 TCCTTAATGCGAGCGGGGCTCGTGGCGGGAGCTGGAGCGGTCTACAGCCAGCGCAGCC
 GCATCCACGACGAGCTGAGCCGCGCCCGCCGCGCCCGGACGGGCCCCGCCACGCCGCCG
 GCGCCGCAACGCGGGACCCGACGCCCGCCCGCTCGTCTGTCAACCTCGACTCAGCGC
 TGCCCGCTGCGCAAGGAGATGCTGTGGGGCCTGTACGAGTCAATCCAGGACTACAAC
 ACCTGTGCCAAGACCTGAGCTTCTGCCAGGACCTGTCATCCTCCCTCCATTTCGGACAGCT
 CCTACCCACCGGATGCGGGCCTGTCTGACGACGAGGAGCCTCCCGATGCCAGCCTGCCTC
 CTGACCCGCCACCCCTTACTGTGCCCCAGACGCAATGCCCGTGACCACTGGCTGCAGG
 ATGCCTTCCACATCAGCCTCTGAAGGGCTGGGGGCGAGGGGCATGCACCCATGCAAAAG
 GCTCAGAACTCCCCCTCCGGCAAGCCCTCAGACTTCGGAGCCTGCGCCTTCCCCCTAC
 CGCCTCACCTCACAGGAGGGCCAGGCATGTATTCCTCAGAGGCGAACTGCCAACTCTT
 TCTCCTGTCTTGGTTGGCTGGCACTGGGGCGGGCATCTAGGTACAGCCTCTGCTCATG
 GCACTGGGCTCCAGTTCTTCCACATGTGTGACCCCCAGCTTGCCCAACCCTCAGCCTT
 GCGGTGGGGCCGAAGCATCTTCCCTTCCGCTTGGCGTCTCTGGGATTGGGATGAGTGCC
 TGGCTCCCATCTCCTCTCACCTTTTGTGCTATCGGCAGCTGCTGGCTCAGGGGCATCC
 CACCTCCGGGCTCTGGTTCTCTGCCCTGGAAGGGCTCCAGGACCCGTCCCAATAACCA
 CCCACGGCCAGGAGGGCAAGGCCCGTGTGATATTTAAATTTAGGGGCGGTCTCCA
 GGGCGGTAGATAAATAAATACTCAGCGTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire



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ACCN:	NM_152832
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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_152832.1</u> , <u>NP_690045.1</u>
RefSeq Size:	1437 bp
RefSeq ORF:	531 bp
Locus ID:	23625
UniProt ID:	<u>Q8N5H3</u>
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>