

Product datasheet for **RN213898**

Fam89b (NM_001015013) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam89b (NM_001015013) Rat Untagged Clone
Tag: Tag Free
Symbol: Fam89b
Synonyms: Mtvr2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213898 representing NM_001015013
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACGGGCTGCCCTCAACTGAGGCGCCCGTGGCGGGCTGCGCTCTGGCTGGGCTCCCGCCGCTAC
CGCGCGGCTCAGCGGCTTCTTAACGCTAGTGGTGGCTCGTGGAGGGAGCTAGAGCGTGTCTACAGCCA
ACGGAGCCGCATCCACGACGAGCTGAGTCGTGCCGCCCGCCCGGATGGTCTCGCCAGCCCGGGC
TCTGCCAATTTAGGCTCTGCAGCGGGCCCGCGCCCGGTTAACCTCGACTCTGCACTGGCCGCGCTGC
GCAAGGAAATGGTGGTCTGCGACAGCTGGATATGTCCTGTGTGCCAGCTGTGGGCTGTATGAGTC
GATCCAGGACTACAAGCATCTGTGCCAAGACCTGAGCTTGTGCCAGGACCTGTCATCCTCTCTGCACTCC
GACAGCTCCTACCCACCCGATGCCGGCTGTCTGATGACGATGAGCCTCCTGATGCCAGCCTGCCCCAG
ACCCTCCACCCCTCACCGTGCCCGAGACTACAATGCCCGTGACCAGTGGTTGCAGGATGCCTTCCAAT
CAGCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001015013
Insert Size: 570 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).



[View online »](#)

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_001015013.1, NP_001015013.1</u>
RefSeq Size:	1215 bp
RefSeq ORF:	570 bp
Locus ID:	309170
UniProt ID:	<u>Q566R4</u>
Cytogenetics:	1q43
Gene Summary:	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]