

Product datasheet for MR211383

Jmy (NM_021310) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jmy (NM_021310) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Jmy
Synonyms:	AA591059
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211383 representing NM_021310 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGTTGCGGCTGGAGGAGACACTCGAGTCCGACTGGGTGGCGGTGCGGCCACGTATTCGACGAGC
GCGAGAAGCACAAGTTTGTGTTTCATTGTGGCTGGAACGAGATCGAAGGCAAGTTTGCTATAACCTGTCA
CAACCGGACGGCCAGAGACAGAGGAGCGGTTCCCGGGAACAGGCGGGACGCCCGCTGATGGGAGT
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CAGGTATACCTGGGCCACGGCCTGGACACGTGTGGTGGAAAGATCCTTTTCAGGTTCTTTTCACCGAGA
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GAACAGAAGAAACATGCACTAAAAGAAGAGATGCAAAGCTTACAGGGTGGTACAGAAGCTATAGCTCGAT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR211383 representing NM_021310
 Red=Cloning site Green=Tags(s)

MSFALEETLESDWVAVRPHVFDEREKHKFVFIWAWNEIEGKFAITCHNRTAQRQRSGSREQAGTPASDGS
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 SPLRRSAERDATASATPAPPVPPVSSVRVVSASGAVSEEIEVLEMVREDEAPQPLPDSEQPPSAAE
 LESPAEESWAGLFSFQDLRAVHQQLCSVNSQLEPCLPVFPEEPSGMWTVLFGGAPEMTEQEIDALCYQL
 QVYLGHLDTGKWKILSQVLFTEITDDPEEYYSLSSELRQKGYEEVLQRARRRIQELLDKHKTIESMVELL
 DLYQMEDEAYSSLAEATTELQYLLQPFDMRELAMLRRQIKISMENDYLGPRIEQLKEDADWQRKA
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 EQKKHALKEEMQSLQGGTEIARLDQLESDYYDLQLQLEYVQFEILKCEELLTAQLESIKRLISEKRDE
 VVYYDYESMEAMLEKEEMAASVHAQREELQKLQKARQLEARRGRVSAKKAYLRNKKEICIAKHHEKFQ
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 GNERSIKPSASAPAAHLFDSSQLVSARKKLKRTVEGLQRRRVSSPMDEVLASLKRGSFHLKKVEQRTLPP
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 WEN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9102_a04.zip

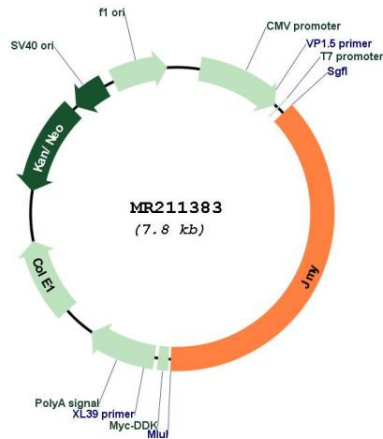
Restriction Sites:

Sgfl-Mlul

Locus ID: 57748
UniProt ID: [Q9QXM1](#)
Cytogenetics: 13 C3
MW: 110.6 kDa

Gene Summary: Acts both as a nuclear p53/TP53-cofactor and a cytoplasmic regulator of actin dynamics depending on conditions. In nucleus, acts as a cofactor that increases p53/TP53 response via its interaction with p300/EP300. Increases p53/TP53-dependent transcription and apoptosis, suggesting an important role in p53/TP53 stress response such as DNA damage. In cytoplasm, acts as a nucleation-promoting factor for both branched and unbranched actin filaments. Activates the Arp2/3 complex to induce branched actin filament networks. Also catalyzes actin polymerization in the absence of Arp2/3, creating unbranched filaments. Contributes to cell motility by controlling actin dynamics. May promote the rapid formation of a branched actin network by first nucleating new mother filaments and then activating Arp2/3 to branch off these filaments. The p53/TP53-cofactor and actin activator activities are regulated via its subcellular location.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211383