

Product datasheet for **MR230857**

Rnf6 (NM_001256086) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf6 (NM_001256086) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf6
Synonyms:	1200013I08Rik; 5730419H05Rik; AA537053
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR230857 representing NM_001256086
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGAATTAAGGAACTAGAAGTCTCAGGATGGATCCGTCTAGATCTAGATCAGGTGGGAGTGGAG
 AAGAGAGCTCATTCAAGAAAATGAGAGAAGATGGCAGCAAGAACGTCTCCACAGAGAAGAAGCCTATTA
 TCAGTTTATTAATGAGCTCAGTGATGAAGATTATCGGCTAATGAGAGACCATAATCTTTTAGGCACCCCT
 GGAGAAAATACATCAGAGGAGCTGCAGCAGCGCTTAGAGAGAGCAAAGAACAGCTGGCATCTCAGCCTG
 GCTCTGACAGCGCGCAAGTGATGGAGACTCAGAAAGCCTTAGAGCACATTCAGATGAGGACTCTCTGCT
 GCGATGGTGAATACCTTCGGCGCACTGGGAATGTGACTCGAAGCGGACAGAATGGGAACCAAAGCTGG
 AGGGCCGTGAGTGAACAAACCCGAACAGTGGCGAGTTCGGGTTTAGCCTGGAATCCACATAAACCCCTG
 ACAACAGAGGTTCTGAAATGCATGGAGAGGACTCGACGGACATCCCTCTGTGAGGTGTTAACAGAGAGCA
 TAGGCAGCAAAGACCATCGAGTCTGTGGCTAGGCGAACCAGAAGCCAGACCTCCATGAGCTCCAGTGGT
 CCTAGGGCAGGCGTGGTGCAGGAGGCAGGGTCTGTGCAAGGGTCATTTGCAACTCTGGGAAGGTTAA
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 CACCAACCAAGTCAGATGGTAGTACTCTCAGGCAAGGTGGACGGCAGCGTTTGGAGCAGCACATATTTGG
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 TAACAGTAGAAGAGGGAGAGTCTAGCAGTCTCAGCTGCCACCCAGCGTCATCCAGCAATCACACTGGA
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 GGTGAGCCATCCTCCGTGGCTCTTCGGTCAATTTAAGGCAGATCATGACTGGGTTTGGAGAGCTGAGT
 TCTCTAATGGAGGTGGAGCCTGCGTCAGAGAATCAAAGCAATGGCCAACGTTTACCAGAGGTGTACCTAG
 AACTGAGTAATGGAGATGCAGCCGATGACAGTGGTCAGCATGGAAGAGCGTCTCACAGGCCAGTCAGGC
 CCAGGACGGTGTGAAATGCTAGCTGTGAGGGAGCCCGCCCGCCAGGCTCGCCCAAGTGGCAGTAGA
 AGTAGAAGGCAGTTAGGAAGGGCGGACAGCGTAGTTGAGGCTGGAACATTACCCATTCTGCGCCTTGCTC
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 GACTACGTGGCTGGGAACAAGCTCCGGCAGCTGCCTTGTCTGCACGAGTTTCACATTCAGTATTGATC
 GCTGGCTGTGGGAGAACTGCACCTGCCCGTCTGTGCGCGCCTGTCTTAGAATTCGGAGCCACAAGCAG
 TGGG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230857 representing NM_001256086
Red=Cloning site Green=Tags(s)

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MLELKETRSLRMDPSRSRSGGSGEESFQENERRWQQRHLHREEAYYQFINELSDEDYRLMRDHLLGTP
GEITSEELQQLERAKEQLASQPGSDSAASDGDSESLRAHSDDESLLRWLNTFRRTGNVTRSGQNGNSW
RAVSRTPNSGEGFGFLEIHNPDNRGSEMHGEDSTDIPLSGVNREHRQQRSPSPVARRTRSQTSMSSSG
PRGRRGARRQGSVQGSFATLGRLRNGIGVALGVPVRSAPRTNVINSHTNQSDGSTLRQGGRRFGAAHIW
ENGARSNVTVRNTNQRLEPIRLRPAFSSRSRSPIQRQNGTVHHNSQRQGRPVQQTGRNRSVRHRGVTRVF
LEQGREHRGTDYTPLSNSRLVSRITVEEGESSRASAATQRHPAITLIDLQVRRIRPGETRDRDSIANRTRS
RAGLAESTVESTSGGFHRTISHLERSGVRTYVSTITVPLRRISENDVVEPSSVALRSILRQIMTGFGELS
SLMEVEPASENQSNQRLPEVYLEL SNGDAADDSGQHGRASSQASQAQDGAEMLA VREPAPPQARPSGSR
SRRQLGRADSVVEAGTLPILRLAHFFLLNEGDDDP IRGLTKEQIDNLSTRSYEQDGVDELGKVCVCIS
DYVAGNKLRLPCLHEFHHCIDRWLSENCTCPVCRRPVLEFGATSSG
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001256086

ORF Size: 2034 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [NM_001256086.1](#), [NP_001243015.1](#)

RefSeq Size: 3225 bp

RefSeq ORF: 2037 bp

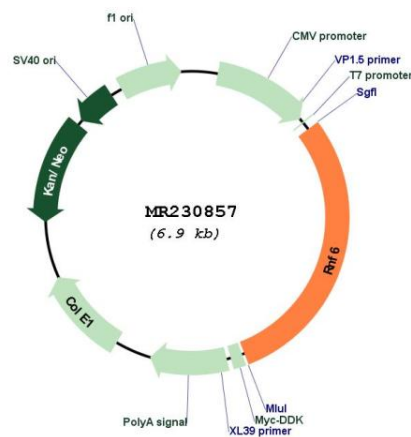
Locus ID: 74132

Cytogenetics: 5 G3

MW: 75.9 kDa

Gene Summary: E3 ubiquitin-protein ligase mediating 'Lys-48'-linked polyubiquitination of LIMK1 and its subsequent targeting to the proteasome for degradation. Negatively regulates axonal outgrowth through regulation of the LIMK1 turnover. Mediates 'Lys-6' and 'Lys-27'-linked polyubiquitination of AR/androgen receptor thereby modulating its transcriptional activity. May also bind DNA and function as a transcriptional regulator.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR230857