

Product datasheet for **MC228616**

Rnf6 (NM_001256087) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf6 (NM_001256087) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf6
Synonyms:	1200013I08Rik; 5730419H05Rik; AA537053
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228616 representing NM_001256087
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCGTCTAGATCTAGATCAGGTGGGAGTGGAGAAGAGAGCTCATTCAAGAAAATGAGAGAAGAT
 GGCAGCAAGAACGTCTCCACAGAGAAGAAGCCTATTATCAGTTTTATTAATGAGCTCAGTATGAAGATTA
 TCGGCTAATGAGAGACCATAATCTTTTAGGCACCCCTGGAGAAAATACATCAGAGGAGCTGCAGCAGCGC
 TTAGAGAGAGCAAAGGAACAGCTGGCATCTCAGCCTGGCTCTGACAGCGCGGCAAGTGATGGAGACTCAG
 AAAGCCTTAGAGCACATTCAGATGAGGACTCTCTGCTGCGATGGCTGAATACCTTTGCGCGCACTGGGAA
 TGTGACTCGAAGCGGACAGAATGGGAACAAAGCTGGAGGGCCGTGAGTCGAACAAACCCGAACAGTGGC
 GAGTTCGGGTTTAGCCTGGAAATCCACATAAACCCCTGACAACAGAGGTTCTGAAATGCATGGAGAGGACT
 CGACGGACATCCCTCTGTGAGGTGTTAACAGAGAGCATAGGCAGCAAAGACCATCGAGTCTGTGGCTAG
 GCGAACCAAGAAGCCAGACCTCCATGAGCTCCAGTGGTCTAGGGGAGGCGTGGTCCGAGGAGGCAGGGT
 TCTGTGCAAGGGTCATTTGCAACTCTGGGAAGGTTAAGGAATGGAATTGGAGTAGCCCTTGGTGTCCCA
 GAGTTAGTGCCCCCTCGACTAATGTTATTAATCCACACCAACCAAGTCAGATGGTAGTACTCTCAGGCA
 AGGTGGACGGCAGCGGTTTGGAGCAGCACATATTTGGGAAAACGGGGCTAGAAGTAATGTTACAGTGAGG
 AACACAAACCAAAGATTAGAGCCAATAAGATTACGTCCTGCTTTTCAAGTAGTCGAAGCCGGTCCCCCATTC
 AGAGACAGAAATGGTACTGTTTCATATAATTTCCAAAGGCAGGGTAGACCAGTACAGCAAACGGGTAGAAA
 CAGGTCTGTTAGGCACAGAGGTGTAACGCGGGTCTTTTGAACAAGGTAGAGAACACAGAGGCACTGAT
 TACACCCCGCTGTCCAACCTCAAGACTTGTGTCAAGAATAACAGTAGAAGAGGGAGAGTCTAGCAGGTCT
 CAGCTGCCACCCAGCGTCATCCAGCAATCACACTGGACCTGCAAGTCAGGAGGATTCGGCCTGGAGAAAC
 TAGAGATAGGGATAGCATTGCAAATAGAACCCGATCTAGGGCGGGCTGGCAGAAAAGTACGGTTGAGAGC
 ACCAGTGGGGGCTTCCACAGAATCTCTCACTTAGAGCGCTCAGGTGTCCGAACCTACGTGAGCACCA
 TCACAGTTCCTCTTCGAGGATTTCTGAGAATGACGTGGTTCGAGCCATCCTCCGTGGCTCTTCGGTCAAT
 TTTAAGGCAGATCATGACTGGGTTTGGAGAGCTGAGTTCTCTAATGGAGGTGGAGCCTGCGTCAGAGAAT
 CAAAGCAATGGCCAACGTTTACCAGAGGTGTACCTAGAAGTGAATGGAGATGCAGCCGATGACAGTG
 GTCAGCATGGAAGAGCGTCTCACAGGCCAGTACGGCCAGGACGGTGTGAAATGCTAGCTGTGAGGGA
 GCCCGCCCCGCCAGGCTCGCCCCAGTGGCAGTAGAAGTAGAAGGCAGTTAGGAAGGGCGGACAGCGTA
 GTTGAGGCTGGAACATTACCCATTCTGCGCCTTGCTCACTTCTTCTACTGAATGAAGGCGATGATGATC
 CAATTCGTGGTTTAAACAAAGAGCAGATTGACAATCTTTCTACCAGGAGTTATGAACAAGACGGGTTGA
 CAGTGAGTTAGGTAAGGTGTGTAGCGTGTGCATCAGTACTACGTGGCTGGGAACAGCTCCGGCAGCTG
 CCTTGTCTGCACGAGTTTACATTCAGTGTATTGATCGCTGGCTGTGCGGAGAACTGCACCTGCCCGTCT
 GTCGGCGGCTGTCTTAGAATTCGGAGCCACAAGCAGTGGG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001256087

Insert Size: 2004 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001256087.1, NP_001243016.1</u>
RefSeq Size:	3286 bp
RefSeq ORF:	2004 bp
Locus ID:	74132
UniProt ID:	<u>Q9DBU5</u>
Cytogenetics:	5 G3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same isoform (1).</p>