

Product datasheet for **MC228646**

Rnf6 (NM_001256086) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf6 (NM_001256086) 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: >MC228646 representing NM_001256086
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGGAATTAAGGAACTAGAAGTCTCAGGATGGATCCGCTAGATCTAGATCAGGTGGGAGTGGAG
 AAGAGAGCTCATTCAAGAAAATGAGAGAAGATGGCAGCAAGAACGTCTCCACAGAGAAGAAGCCTATTA
 TCAGTTTATTAATGAGCTCAGTGATGAAGATTATCGGCTAATGAGAGACCATAATCTTTTAGGCACCCCT
 GGAGAAAATACATCAGAGGAGCTGCAGCAGCGCTTAGAGAGAGCAAAGAACAGCTGGCATCTCAGCCTG
 GCTCTGACAGCGCGCAAGTGTGGAGACTCAGAAAGCCTTAGAGCACATTCAGATGAGGACTCTCTGCT
 GCGATGGTGAATACCTTCGGCGCACTGGGAATGTGACTCGAAGCGGACAGAATGGGAACCAAAGCTGG
 AGGGCCGTGAGTGAACAAACCCGAACAGTGGCGAGTTCGGGTTAGCCTGGAAATCCACATAAACCCCTG
 ACAACAGAGGTTCTGAAATGCATGGAGAGGACTCGACGGACATCCCTCTGTGAGGTGTTAACAGAGAGCA
 TAGGCAGCAAAGACCATCGAGTCTGTGGCTAGGCGAACAGAAGCCAGACCTCCATGAGCTCCAGTGGT
 CCTAGGGCAGGCGTGGTGCAGGAGGCAGGGTCTGTGCAAGGGTCATTTGCAACTCTGGGAAGGTTAA
 GGAATGGAATTGGAGTAGCCCTTGGTGTCCAGAGTTAGTGCCCTCGCACTAATGTTATTAATCCCA
 CACCAACAGTCAGATGGTAGTACTCTCAGGCAAGGTGGACGGCAGCGTTTGGAGCAGCACATATTTGG
 GAAAACGGGGCTAGAAGTAAATGTTACAGTGAGGAACACAAACCAAAGATTAGAGCCAATAAGATTACGTC
 CTGCTTTCAGTAGTGAAGCCGGTCCCCATTCAGAGACAGAATGGTACTGTTTCATCATAATCCCAAAG
 GCAGGGTAGACAGTACAGCAAACGGGTAGAAACAGGTCTGTTAGGCACAGAGGTGTAACGCGGGTCTTT
 TTAGAACAAGGTAGAGAACACAGAGGCACTGATTACACCCCGTGTCCAACCTCAAGACTTGTGTCAAGAA
 TAACAGTAGAAGAGGGAGAGTCTAGCAGTCTCAGCTGCCACCCAGCGTCATCCAGCAATCACACTGGA
 CCTGCAAGTCAGGAGGATTCGGCCTGGAGAACTAGAGATAGGGATAGCATTGCAAAATAGAACCCGATCT
 AGGGCGGGCTGGCAGAAAGTACGGTTGAGAGCACAGTGGGGCTTCCACAGAATATCTCTACTTAG
 AGCGCTCAGGTGTCCGAACCTACGTGAGCACCATCACAGTTCTCTTCGCAGGATTTCTGAGAATGACGT
 GGTGAGCCATCCTCCGTGGCTTTCGGTCAATTTAAGGCAGATCATGACTGGGTTTGGAGAGCTGAGT
 TCTCTAATGGAGGTGGAGCCTGCGTCAGAGAATCAAAGCAATGGCCAACGTTTACCAGAGGTGTACCTAG
 AACTGAGTAAATGGAGATGCAGCCGATGACAGTGGTCAGCATGGAAGAGCGTCCTCACAGGCCAGTCAGGC
 CCAGGACGGTGTGAAATGCTAGCTGTGAGGGAGCCCGCCCGCCAGGCTCGCCCAAGTGGCAGTAGA
 AGTAGAAGGCAGTTAGGAAGGGCGGACAGCGTAGTTGAGGCTGGAACATTACCCATTCTGCGCCTTGCTC
 ACTTCTTCTACTGAATGAAGCGGATGATGATCCAATTCGTGGTTAACCAAAGAGCAGATTGACAACTCT
 TTCTACCAGGAGTTATGAACAAGACGGGTTGACAGTGAAGTAAAGTGTGTAGCGTGTGCATCAGT
 GACTACGTGGCTGGGAACAAGCTCCGGCAGCTGCCTTGTCTGCACGAGTTTCACATTCACTGATTGATC
 GCTGGCTGTGGGAGAACTGCACCTGCCCGTCTGTGCGCGCCTGTCTTAGAATTCGGAGCCACAAGCAG
 TGGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001256086

Insert Size: 2037 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_001256086.1</u> , <u>NP_001243015.1</u>
RefSeq Size:	3225 bp
RefSeq ORF:	2037 bp
Locus ID:	74132
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 (4) differs in the 5' UTR and coding region which includes an upstream in-frame AUG start codon, compared to variant 1. The resulting isoform (2) is longer at the N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>