

Product datasheet for **MC205166**

Rnf31 (NM_194346) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf31 (NM_194346) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf31
Synonyms:	AL033293; BC031509; Flj101111; HOIP; mFLJ00217; Paul
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC057595
GCGGTGGCTTAAGTGACCCGGGCTGCTGTGGCGCCGCGGCACCTGCGCCAGCCCCTGGAGGGCAGAGAA
GCTGAGCCTGTCTCCAGTCTCAGGATGCCGGGAGACGAGGAGCGAGGCTTCTGGCGGCCCGGAGGAGC
TGGCGAGCGCCCTGAGGTGGGATTCTGCGCAGGTTTTTCCCCTGGAGCAGCTCATGCCGTTCTGGCCAC
CTCTCTGCCACCAGCCGCCCGCTACCTGCAGCTGGACGCCGACGCTTGGTCCGCTGCAACGCTCATGGG
GAGCCTCGAACTACCTCAACACCCTATCCACGGCCCTGAACATCCTGGAAAAATATGGTCGCAACCTCC
TCAGCCCGCAGCGGCCCGGTATTGGCGTCACTGAAGTTAATAACCCCGTCTTTCGACGACCGGTGGA
TGCTGTGCAGGGTGGCCGGATGTAACGTTGTATGGCTATACTGAGGAGCGCCAGATGGATTGAGT
TCCCCGAAGGGCAGGAGGAACCAGATGAATACCAGTTGCTGTTGTCACTAGAACTGCTGCTTC
GCACCGAGCTCAGTTTGTGTTGCAATACTCATCCCAGACAGAATGCACTGGACCAGCTGCTAAGAGA
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CAACCACGGCCCCCTCCTCCTTGGCCCTGGGAGATAGCTCTTTTCTTCCCCTGACCTGCAATG
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GTTGGACGTGGTGGAGGCTGTGAGGCACAGCCAGGACCGGCCTTCTGCGTGCAGTGTGCCCCAGGAA
TGTGCTGTGTGGGGTGGGCCCTTCCCCGAACCGGATGCAGGCCTGATCTCCTGTGAGTGCACCATAT
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CGGAGTTGTGAGGATTTCCAGAAGTGGAAACGCACCAATGACCCAGAGTACCAGGTCAAGGCTTGCCCA
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AATAAATGTCCAGACCCTAACTGCAAGGTGAAAAAGTCCCTGCATGGCCACCACCCTCGAGACTGCCTCT
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AAAGAGGCATCTTATGGCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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Restriction Sites:

Ascl-NotI

ACCN:	NM_194346
Insert Size:	3201 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).
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:	BC057595 , AAH57595
RefSeq Size:	3443 bp
RefSeq ORF:	3201 bp
Locus ID:	268749
UniProt ID:	Q924T7
Cytogenetics:	14 C3
Gene Summary:	E3 ubiquitin-protein ligase component of the LUBAC complex which conjugates linear ('Met-1'-linked) polyubiquitin chains to substrates and plays a key role in NF-kappa-B activation and regulation of inflammation (PubMed:28701375). LUBAC conjugates linear polyubiquitin to IKBKG and RIPK1 and is involved in activation of the canonical NF-kappa-B and the JNK signaling pathways (By similarity). Linear ubiquitination mediated by the LUBAC complex interferes with TNF-induced cell death and thereby prevents inflammation (PubMed:28701375). Recruited to the TNF-R1 signaling complex (TNF-RSC) following polyubiquitination of TNF-RSC components by BIRC2 and/or BIRC3 and to conjugate linear polyubiquitin to IKBKG and possibly other components contributing to the stability of the complex (By similarity). Together with OTULIN, the LUBAC complex regulates the canonical Wnt signaling during angiogenesis (By similarity). Binds polyubiquitin of different linkage types (By similarity).[UniProtKB/Swiss-Prot Function]