

Product datasheet for **MC206800**

Rnf4 (BC003282) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf4 (BC003282) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf4
Synonyms:	AU018689; Gtrgeo8; SNURF
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC003282
 CTTGCTTGAACGGGTCTCCTCAGCGGGCTGGAGTCCGTACGTCTTGCCCGAGCTCATCAGCCGAGGC
 GTCTGGCAGCAAACCCAGCTCCAAAATTTGGAATACTGCACATCTAGTTGGCTCCAAATTGTAACCA
 CAGGATGAGTATTCAGTGGGCATGAGAGATTGAGAACATCCTACCACACCATAAACCTTGGTGTAGATCA
 CTTCTTTTCTGTGGATTGAAGCCAGAGAGCACAATGAGTACAAGAAATCCTCAAAGAAAGCGCGTGGT
 GGAAGTGTGAATTCTAGACAAACCCAGAAGCGAACTCGGAAACAACCTCGACCCCTGAGGTTTCCTTGG
 AAACAGAACCCTAGAACTTGTGAAACTGTTGGAGATGAAATTGTGGACCTCACCTGTGAATCTTTAGA
 GCCCGTGGTTGTGGACCTGACTACAATGACTCTGTTGTGATTGTTGAAGAAAGGAGAAGGCCAAGGAGA
 AATGGGAGGAGGTTGCGCCAAGACCATGCTGACAGCTGTGTGGTGAAGTATGATGAGGAGCTGTCTA
 GGGACAAAGATGTGTACGTGACTACCCATACTCCTCGAAGCACCAAGGATGATGGAGCTACTGGACCCAG
 GCCCTCAGGTACCGTCAGTTGTCCTATCTGTATGGATGGATACTCTGAGATTGTGCAGAATGGGCGTCTC
 ATTGTTTCTACAGAATGTGGCCACGTCTTCTGTAGCCAGTGCCTCCGAGATTCCCTAAGAATGCTAACA
 CTTGCCAACTTGTAGGAAAAAGATCAACCATAAGCGGTACCACCCCATTTATATGAAATGTTACAA
 CTGCTCAGGATAGACCAATGGACAGACAGCCAGGCTGGCCTTTTCTGCATGGTATCTGCCTCCAGTTTCC
 TGAGCTCAAAAAGACTTTCAAAAATCAATGTCTGATGTAACCTGGTCTTTTGTTCCTCAACCCCTT
 CTTTGTATCTCGTTGATGCTATGGAGCACGGTCCAGGGATCCTCCTAGATCAGCTCAGCATCACTG
 CCCCTTGGTGGTCTGAGCCCAGAGTAGGAAAAAGGAGTCCGGCATATTGGGGTTGAGCATCATGGC
 TCCAGCCTCTTTATGGAGCTTACATGTTGGCCAAGTAGTTTCCCTGTTGGGAAAGTTTGGCCAGCTCT
 GTGTGTGCAGAACCTTCCCAAGGCACCTGTGAGTGTCTGCTGCCAGACAGTGAAGTGGCCAGA
 CAGCCCAATAGCCCAAGGATACCAGTGCATGAGTGCACGAAAAGCCACGAAAAGGTGGACTTTTAG
 TTTCTTCCCACGAGAGCAGAGGTGACCTATGATTCGCCCTGAACTCATCATTGGTGTGCAGTGTTC
 TGCAATCCAGTACTCTGCAGGACGATCCTGTCCCTAAGAATGAGAAAGTGAATAAAACCCGTTCTT
 CACTGCTCTTCAGCAATCTGGAAGCTGTAGCACTGCTGGTATCCTCAGCCAGTGTGCTATGGGAGC
 AGTGCTCATCCCAACCCATGCTGTTCACAGCTGTTCTCAGGAACCCCTACCCATGCTCCAAAGTCTTT
 TACTGGCACAGAACATTGAAGGCTAATAGGACAAGTGTGGAGTGTCTCTTTAATGCTAAGATGGGT
 CCTGTGTGTCTACAGTGCCTCCAACCCCTCAGTTTTTTCAGTTCCTACTGCCTAATGTCTGCTCAAGCAT
 AGTATAATAGGAGGTGGTAGCAGTAGCAATGGCCTTATCAGCTGTCACTTACATGCTTTTGGCCAAAGT
 ACCGTTGGCCATTTGTCAGAGGTGTTGCCCTACTCAACCTCCACTGCCCTAGCTTTTCCACACCCCTT
 AATAGATAGGTATTTCAAAGCTGCTTGTCTTCTAGCCAGTTGAGCTTTGATCCTCTGGACTTTTGACT
 GCTCAGTGGGTTTTGGTCAGCAAAGCATGGTGCCTCTTCCAGTGGGACCACATAACAATGTCTGCTCCAC
 CGTATATGTGTGGGAGACTCTGGTGTCTACGGAGACAGGTGAAAATTTGCCCTGGGACACCAGGCACA
 GGGCGGCTGTAGAGGATAGGCCTTGAATGCCAGCCTGCCTCCACTCCACACTACTTCCCTCAGAGGGCT
 TCAAGCCAAACCAATAGCCTTTTTGTGTGAAACATCTTTGAGGTGGGAAAGGGACCACTGGAGCTTTGCT
 AGCAATAACTGACTTTCAGTGAATGTTCTGAAGGAGCAGGGACTCAGCACAGAATTCACCTTAAATGGA
 GCTGAAGGAGTGGCCCTCCTCTATGTGAAAAGAAAATAGTTTTATTCTTCACTTCTGACTTTCTAGCTGT
 TGACTTCACTTAGTTGAATGAGAGTAATAGGTTTTTTTTTCTACATGGACTCAGAGGGTAAGAGCATT
 AGCTCTCATCATTGTGATGTGTGTGCTCCTCTCCCCCTGGATGTCACAGCCATTGATTTCTTTGTGG
 GCCTCATGGACTTGGTCTTGTAGTCTAATGAAAGCCAGACTTCAAAGAGACAAGGCAACCATGCAGCCA
 GTTCAACAGTAAATGTGGTAACACCCACTTAAAAATTTGTTTTCTCCTCAAGGACGGTGTATGAAGTTGA
 TCATAAAAGTTCTATTACTTTATCCTAAATTAATTTAGAAAAAGATGTGTTCTTCTAATCAGACTGC
 ATTAATAGGAAAAGATTGGTATAGAAAAGATTTTCTTTCTTTTACTTAAATGTATATAGTTAACTCTT
 TTCTTTGTACATCTAACTATGCTCATGGGTATCAGTCTGTTTTGGACTAGTATTAAGATGAAAATAA
 AACAAATTTGAACTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC003282
Insert Size: 585 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:	BC003282 , AAH03282
RefSeq Size:	2904 bp
RefSeq ORF:	585 bp
Locus ID:	19822
Cytogenetics:	5 B2
Gene Summary:	This gene encodes a small nuclear RING finger protein that mediates ubiquitylation of polysumoylated proteins. Deficiency of the encoded protein in mice leads to embryonic lethality and global DNA hypermethylation. A similar protein in humans is required for arsenic-induced degradation of promyelocytic leukemia protein in acute promyelocytic leukemia. Alternative splicing of this gene results in multiple transcript variants. A pseudogene for this gene has been identified on chromosome 10. [provided by RefSeq, Jan 2015]