

Product datasheet for MC207454

Rnf13 (NM_001113413) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf13 (NM_001113413) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf13
Synonyms:	2010001H16Rik; Rz; Rzf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207454 representing NM_001113413 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTGCTCTCCATTGGGATGCTCATGCTGTCCGCCACACAGGTCTACACCATCTTGACTGTGCAGCTCT
TTGCATTCTAAACCTGCTGCCTGTAGAAGCAGACATTTAGCATATAATTTGAAAATGCATCTCAGAC
ATTTGAGGACCTCCAGCAAGATTTGGTTATAGACTACCAGCTGAAGGCTTAAAGGGTTTCTGATTAAC
TCAAAACCAAGAGAATGCGTGTGAACCCATAGTGCCTCCACCACTGAAAGACAATTCCTCCGGCAGCTTCA
TCGTGCTGATTAGAAGACTTGATTGCAATTTTGATATAAAGGTTTAAATGCACAGAGAGCAGGATACAA
AGCAGCCATAGTTCACAATGTAGACTCTGATGACCTGATTAGCATGGGATCCAACGACATTGATACACTA
AAGAAAATTGACATTCGGTCTGTCTTTATTGGTGAATCATCAGCTAATTCCTGAAAGATGAATTCACAT
ATGAAAAGGGGGCCACATTATCTTAGTCCAGAACTGAGTCTTCCTTTGGAGTACTATCTGATCCCCTT
CCTCATCATAGTGGGCATCTGCCTCATCTTAATAGTCATTTTCATGATCACAAAATTTGTTCCAGGACAGA
CATAGAAACAGAAGAAATAGACTTCGTAAGATCAACTTAAAAAATTCCTGACATAAAATTTAAAAAGG
GAGATGAGTACGATGTGTGCTATCTGTCTGGAGGAGTATGAAGACGGAGATAAGCTAAGGATCCTCCC
CTGCTCCCATGCTTATCATTGCAAGTGTGTAGATCCCTGGCTAACTAAACCAAAAAGACCTGTCCAGTC
TGCAAAACAAAAGTTGTTCTTCCCAAGGTGACTCGGACTCTGACACAGACAGCAGTCAGGAAGAAAACC
AAGTGTGACAGACACCCCTTTACTTCCACCCTCAGCTTCTGCCAGGACCCAGTCATTTGGGTCTGTGTC
AGAATCCCACTCACATCACACATGACAGAGTCTTCAGACTACGAGGACGACGACAATGAAGAGACCGAC
AGCAGTGACGACAGACAACGAAATTACCGACCACAGTGTTGTGGTCCAGCTGCAGCCGAACGGTGAGCAGG
ATTACAACATAGCAAATACTGT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001113413
Insert Size:	1146 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:	<u>NM_001113413.2, NP_001106884.1</u>
RefSeq Size:	2872 bp
RefSeq ORF:	1146 bp
Locus ID:	24017
UniProt ID:	<u>O54965</u>
Cytogenetics:	3 D
Gene Summary:	This gene encodes a member of the PA-TM-RING family of proteins that contain a protease associated (PA) domain and a RING finger domain separated by a transmembrane (TM) domain. The encoded protein is an E3 ubiquitin ligase localized to the endosomal-lysosomal vesicles and inner nuclear membrane. Mice lacking the encoded protein have impaired learning abilities associated with a decreased synaptic vesicle density and dysregulated SNARE complex assembly. Alternative splicing of this gene results in multiple transcript variants. A pseudogene for this gene has been identified on the X chromosome. [provided by RefSeq, Jan 2015]