

Product datasheet for **MC209692**

Rnf13 (NM_011883) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf13 (NM_011883) 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: >MC209692 representing NM_011883
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGCTCTCCATTGGGATGCTCATGCTGTCCGCCACACAGGTCTACACCATCTTGACTGTGCAGCTCT
TTGCATTCCTAACCTGCTGCCTGTAGAAGCAGACATTTTAGCATATAATTTGAAAATGCATCTCAGAC
ATTTGAGGACCTCCAGCAAGATTTGGTTATAGACTACCAGCTGAAGGCTAAAGGGTTTCTGATTAAC
TCAAACACAGAGAATGCGTGTGAACCCATAGTGCCTCCACCACTGAAAGACAATTCCTCCGCACGTTCA
TCGTGCTGATTAGAAGACTTGATTGCAATTTTGATATAAAGGTTTTAAATGCACAGAGAGCAGGATACAA
AGCAGCCATAGTTCACAATGTAGACTCTGATGACCTGATTAGCATGGGATCCAACGACATTGATACACTA
AAGAAAATTGACATTCGGTCTGTCTTTATTGGTGAATCATCAGCTAATCCCTGAAAGATGAATTCACAT
ATGAAAAGGGGGCCACATTATCTTAGTCCAGAACTGAGTCTTCCTTTGGAGTACTATCTGATCCCCTT
CCTCATCATAGTGGGCATCTGCCTCATCTTAATAGTCATTTTCATGATCACAAAATTTGTTCCAGGACAGA
CATAGAAAACAGAAAGAAATAGACTTCGTAAGATCAACTTAAAAACTTCCCGTACATAAAATTTAAAAAGG
GAGATGAGTACGATGTGTGTGCTATCTGTCTGGAGGAGTATGAAGACGGAGATAAGCTAAGGATCCCTCC
CTGCTCCCATGGTATGAGTACTCACACAGTGCTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011883
Insert Size: 807 bp



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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:	NM_011883.4 , NP_036013.1
RefSeq Size:	1120 bp
RefSeq ORF:	807 bp
Locus ID:	24017
UniProt ID:	O54965
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]