

Product datasheet for **MR222794**

Rnf13 (NM_011883) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf13 (NM_011883) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rnf13
Synonyms: 2010001H16Rik; Rz; Rzf
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR222794 representing NM_011883
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGCTCTCCATTGGGATGCTCATGCTGTCCGCCACACAGGTCTACACCATCTTGACTGTGCAGCTCT
TTGCATTCCTAACCTGCTGCCTGTAGAAGCAGACATTTTAGCATATAATTTGAAAATGCATCTCAGAC
ATTTGAGGACCTCCAGCAAGATTTGGTTATAGACTACCAGCTGAAGGCTTAAAGGTTTTCTGATTAAC
TCAAACACAGAGAATGCGTGTGAACCCATAGTGCCTCCACCACTGAAAGACAATTCCTCCGGCAGCTTCA
TCGTGCTGATTAGAAGACTTGATTGCAATTTTATATAAAGGTTTTAAATGCACAGAGAGCAGGATACAA
AGCAGCCATAGTTCACAATGTAGACTCTGATGACCTGATTAGCATGGGATCCAACGACATTGATACACTA
AAGAAAATTGACATTCGGTCTGTCTTTATTGGTGAATCATCAGCTAATCCCTGAAAGATGAATTCACAT
ATGAAAAGGGGGCCACATTATCTTAGTCCAGAACTGAGTCTTCCTTTGGAGTACTATCTGATCCCCTT
CCTCATCATAGTGGGCATCTGCCTCATCTTAATAGTCATTTTCATGATCACAAAATTTGTTCCAGGACAGA
CATAGAAAACAGAAGAAATAGACTTCGTAAGATCAACTTAAAAACTTCCCGTACATAAAATTTAAAAAGG
GAGATGAGTACGATGTGTGTGCTATCTGTCTGGAGGATGAAGACGGAGATAAGCTAAGGATCCTCCC
CTGCTCCCATGGTATGAGTACTCACACAGTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR222794 representing NM_011883
Red=Cloning site Green=Tags(s)

MLLSIGMLMLSATQVYITLVQLFAFLNLLPVEADILAYNFENASQTFEDLPAFGYRLPAEGLKGFLLIN
 SKPENACEPIVPPPLKDNSSGTFIVLIRRLDCNFDIKVLNAQRAGYKAAIVHNVSDDLLISMGSNDIDTL
 KKIDIPSVFIGESSANSLKDEFTYEKGGHILVPELSLPLEYYLIPFLIIVGICLILIVIFMITKFVQDR
 HRNRRNRLRKDQLKPLVHKFKKGDEYDVCAICLEEYEDGDKLRILPCSHGMSTHTVL

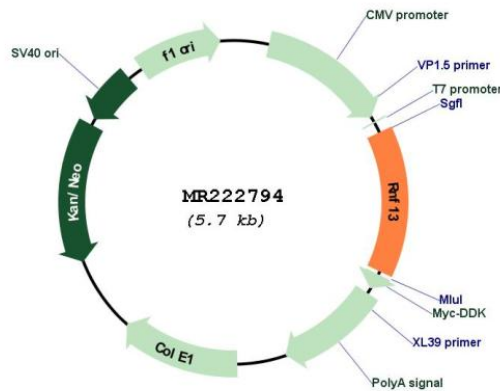
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011883
ORF Size: 804 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_011883.5
RefSeq Size:	1116 bp
RefSeq ORF:	807 bp
Locus ID:	24017
UniProt ID:	O54965
Cytogenetics:	3 D
MW:	30.7 kDa
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]