

Product datasheet for **MC210593**

Rnf125 (NM_026301) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf125 (NM_026301) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnf125
Synonyms: 4930553F04Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210593 representing NM_026301
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGTCAGAATACCAGAACTGTGCTGAGTGTGGAACCTGGTTGCCTCAGTGACATGAGGGCGCAC
TAAGGACCTGTGAGAAGTACATCGATAAATATGGCCCGCTGCTAGAACTGGCGACACCACAGCAAGATG
TGTATGTCCATTTGTGTCAGCGGGAAGTGGATGAAGACTGCTTGGTGGATCATTGCATTATCCACCACAGA
TCAGAAAGGAGGCCCGTGTCTGTCCACTTGGCATTACGACCTGATGAAAGCCCAAGTACCTTCAATG
GCAGTTTAATTAGACATTTGCAAGTCAGTCACACTTTGTTTTATGATGATTTTCATAGATTTTGATATAAT
TGAGGAAGCCATTATTCGAGAGTCTAGACCGCTCACTTCTTGAATATGTGAATCAGTCAAACACCACA
TAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_026301

Insert Size: 423 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).



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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_026301.2</u> , <u>NP_080577.1</u>
RefSeq Size:	1334 bp
RefSeq ORF:	423 bp
Locus ID:	67664
UniProt ID:	<u>Q9D9R0</u>
Cytogenetics:	18 A2
Gene Summary:	E3 ubiquitin-protein ligase that mediates ubiquitination and subsequent proteasomal degradation of target proteins, such as DDX58/RIG-I, MAVS/IPS1, IFIH1/MDA5, JAK1 and p53/TP53. Acts as a negative regulator of type I interferon production by mediating ubiquitination of DDX58/RIG-I at 'Lys-181', leading to DDX58/RIG-I degradation. Mediates ubiquitination and subsequent degradation of p53/TP53. Mediates ubiquitination and subsequent degradation of JAK1. Acts as a positive regulator of T-cell activation. [UniProtKB/Swiss-Prot Function]