

Product datasheet for MC211839

Rnf170 (NM_029965) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rnf170 (NM_029965) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rnf170
Synonyms: 6720407G21Rik; AI481227
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211839 representing NM_029965
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAAAGATATTGGCGTTTCCAAGACAACAAGATACAAGATATATGCTTTGGAGTCTAGGAGAATCTT
GGATTCAAAGACCTGTAATGGCCAGGTACTACAGTGAAGGTCAGAGTTTGCAGCAGGATGACTCATTAT
AGAAGGAGTGAGCGACCAAGTCCTTGTGGCTGTGGTGGTCAGCTTGGCGTTGACCGCTACTCTCCTGTAT
GCCTTCTCAGAAATGTACAGCAGAACATCCATCCAGAAAACCAGGAGCTAGTCAGAGTGCCTCGAGAAC
AATTCCAAACAGAACAGGATGTCCTGCTCCTGCCCGACAGCAGTTCTACACTGAAATGTAAGTGTCCAAT
CTGCTTACATCAAGCCTCCTTTCTGTTGAAACAACTGTGGACATCTCTTTTGTGGTTCCTGCATAATT
GCATACTGGCGATACGGGTCCTGGCTTGGTGCAATCAGTTGTCCTATCTGTAGACAAACGGTAAGTCTCC
TCCTAACAGTATTTGGTGAAGATGATCAATCTCAGGATGTTATAAGATTGCGTCAAGATGTTAATGATTA
TAACCGGAGATTCAGGGCAGCCTAGATCTATTATGAAAGGATCATGGACCTCCACCTTGTGAGAG
CATGCGTTCAGGGAAGTGTCTCAGTTGGGGCCCTCTTCTGGATGTTCCGCATTAGGATAATGCTTTGTT
TGATGGGAGCTTTTTTCTATTTAATATCACCTTAGATTTGTACCTGAAGCCTTGTGGAAATCTGGG
CTTTCTAGATGATTTCTTTGTTATCTTTTGTGCTTATTTACATCTCCATTATGTATCGAGAAGTGATA
ACCCAAAGACTAACTAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_029965
Insert Size: 861 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_029965.2 , NP_084241.1
RefSeq Size:	4049 bp
RefSeq ORF:	861 bp
Locus ID:	77733
UniProt ID:	Q8CBG9
Cytogenetics:	8 A2
Gene Summary:	E3 ubiquitin-protein ligase that plays an essential role in stimulus-induced inositol 1,4,5-trisphosphate receptor type 1 (ITPR1) ubiquitination and degradation via the endoplasmic reticulum-associated degradation (ERAD) pathway. Also involved in ITPR1 turnover in resting cells.[UniProtKB/Swiss-Prot Function]