

## Product datasheet for MR229635

### Rnf130 (NM\_001290749) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf130 (NM\_001290749) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rnf130  
**Synonyms:** 2510042A13Rik; G1rp; G1RZFP; GOLIATH; GP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR229635 representing NM\_001290749  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCGGCGGGCGGAGCGGGCCCGGCCGCTCGGGCGCTGGCCCTGCTGACTTGCAGCCTGTGGC  
 CGACGCGAGCGGACAACGCGAGCCAGGAGTACTACGCGCTCATCAACGTGACGGTGCAGGAGCCCG  
 CCGCGCACCCCGCTCACGTTCCGCATCGACCGGGCGCTACGGGCTCGACTCACCAAGGCCGAGGTC  
 CGCGGCCAGGTGCTGGCACCGCTGCCATCCACGGAGTTGCTGATCATCTGGGCTGTGATCCTCAAAC  
 GGTCTTTGTCCCTCCTAATATCAAACAGTGGATCGCCTTGCTACAAAGAGGAAATTGCACCTTTAAGA  
 GAAATATCACGGCTGCTTTTACAATGCGGTTGCTGTAGTCATCTACAATAATAATCCAAGAGGAG  
 CCGTCCACCATGACTCATCCAGGCACGGGAGATATTATTGCTGTCATGATAACAGAAATTGAGGGTAAGG  
 ATATTTGAGTTATCTGGAGAAAAATCTCTGTACAAATGACAATAGCTGTTGGAATCGAATGCCGCC  
 AAAGAATTCAGCCGTGGCTCTCTAGTCTTCGTGTCATCTCCTTTATTGTTTGGATGATTATTTCTTCA  
 GCGTGGCTCATATTCTACTTCATTCAGAAGATCAGGTACACAAATGCTCGGGACAGGAACCGCGTCGTC  
 TTGGAGACGCAGCCAAGAAAGCCATCAGTAAATGACAAGTGAACGGTGAAGGCGGATAAAGGAAAC  
 AGACCCAGACTTCGATCACTGTGCAGTCTGCATAGAAAGCTATAAGCAGAATGATGTTGTTCCGGTCTC  
 CCCTGCAAGCATGTTTTCCACAAATCCTGTGGATCCCTGGCTCAGTGAACACTGTACCTCCTATGT  
 GCAAATTAATATTTGAAAGCCCTAGGAATTGTGCCAAATCTGCCATGTACTGATAATGTAGCCTTTGA  
 TATGAAAGGCTGACCAGAACCCAGCGGTTAACCGGAGAGCAGCCCTTGGTGACCTTGGCGGTGACAGT  
 TCCCTTGGCCTTGGCCACTGAGAACTCGGGATATCGCCTTCTCCTCAAGATGGGAGCTCACTCCTC  
 GCACGGGTGAAATCAACATTGCAGTAACAAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229635 representing NM\_001290749  
 Red=Cloning site Green=Tags(s)

MSGAARAGPARLAALALLTCSLWPTRADNASQEYYTALINVTVQEPGRGTPLTFRIDRGRYGLDSPKAEV  
 RGQVLAPLPIHGVAHLGCDPQTRFFVPPNIKQWIALLRGNCTFKEKISRAAFHNAVAVVIYNNKSKEE  
 PVTMTHPGTGDIIAVMITELRGKDILSYLEKNISVQMTIAVGTRMPPKNF SRGSLV FVSISFIVLMISS  
 AWLIFYFIQKIRYTNARDRNQRRLGDAAKKAISKLTTRTVKKGDKETDPDFDHCAVCIESYKQNDVVRVL  
 PCKHVFHKSCVDPWLSEHCTCPMCKLNILKALGI VPNLPCTDNVAFDMERLTRTQAVNRRALGDLGADS  
 SLGLEPLRTSGISPLPQDGELTPRTGEINIAVTR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001290749

**ORF Size:** 1152 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:**

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\\_001290749.1](#), [NP\\_001277678.1](#)

**RefSeq Size:** 1448 bp

**RefSeq ORF:** 1155 bp

**Locus ID:** 59044

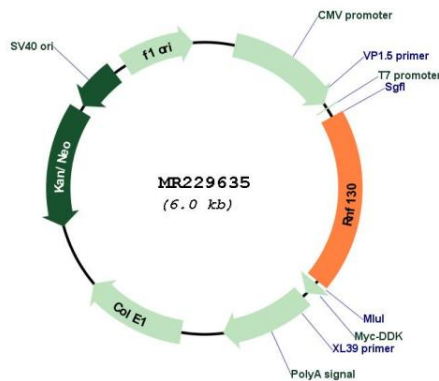
**UniProt ID:** [Q8VEM1](#)

**Cytogenetics:** 11 B1.3

**MW:** 42.9 kDa

**Gene Summary:** Acts as an E3 ubiquitin-protein ligase (By similarity). May have a role during the programmed cell death of hematopoietic cells.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR229635