

Product datasheet for **MR206827**

Rnf128 (NM_023270) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf128 (NM_023270) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf128
Synonyms:	1300002C13Rik; AI987883; GRAIL; Greul1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206827 representing NM_023270
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGGCCCGCCCGGGATCGGGTCTACTGCCGCGCGGCTGCGGAGCTGCCCGCTACTGGCTTGGT
 GCTTCCTTCTGGCTCTGAGTCCGCACGCGCCCGTTCCCGGGAGCCGAAGCCGTGTGGACCGCGTACCT
 CAACGTGTCTGGCGGGTCCGCACACCCGAGTGAACCGCACGGTGTGGGAGCTGAGCGAGGAGGGCGTG
 TACGGCCAGGACTCGCCGCTGGAGCCGCTCCTCGGGTCTGGTACCGCCGACGGGCCCGGGCGCTCA
 ACGCCTGTAACCCGCACACCAATTTACGGTGCCACGGTTTGGGGAGCACGGTGAAGTATCTTGGTT
 GGCCCTCATCAAACGCGGTGGAGGCTGCACCTTCGCGACAAGATCCATCTGGCTTCAGAGAGAGGGGCT
 TCTGGAGCGGTCACTTTAACTTCCTGGGACCCGAATGAGGTCATCCCATGTCTACCCGGGTGCTG
 GGGACATTGTTGCAATCATGATTGGCAATCTGAAAGGAACAAAAATCTGCAGTCTATTCAAAGAGGCAT
 CCAAGTACAATGGTCATCGAAGTAGGAAAAACATGGCCCTTGGGTGAATCATTATTCATTTTCTTC
 GTTCTGTGTCTTTTTTCATAATTACGGCAGCAACCGTGGGCTATTTTCATCTTTTATTCTGCTCGAAGT
 TACGAAATGCAAGAGCTCAAAGCAGGAAGCAGAGGCAGTTAAAGGCAGATGCTAAAAAGCTATTGGAAA
 GCTTCAGCTGCGCACCTTGAACAAGGAGACAAGGAAATGGCCCTGATGGAGATAGCTGTGCTGTGTGC
 ATTGAGCTCTATAAGCCAAATGATTTGGTGCGCATCCTAACCTGCAATCATATTTTCCATAAGACATGTG
 TGGACCCGTGGCTTTTAGAACACAGGACTTGCCCATGTGCAAGTGTGACATTCTCAAAGCTCTGGGAA
 TGAGGTGGATGTTGAAGATGGATCAGTGTCTTTACAAGTCTCTGTTTCTAATGAAGCATCTAATACTGCC
 TCTCCCATGAAGAGGACAGTCCGAGTGCAGTGCATCATCTGGATATGCTTCAGTACAAGGAGCAGATG
 AGCCACCTCTGGAGGAACATGCGCAGTGCAGAAATGAAAACTACAGCTGGTAAACCATGAAGCAAATTC
 TGTGGCCGTGGATGTTGTTCCCATGTTGACAACCAACCTTTGAAGAAGATGAAACTCCTGATCAAGAG
 GCAGCTGTTCCGGGAGATTAATCT

ACGCGTACGCGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206827 representing NM_023270
 Red=Cloning site Green=Tags(s)

MGPPPGIGVYCRGGCGAARLLAWCFLLALSPHAPGSRGAEAVWTAAYLNVSWRVPHTGVNRTVWELSEEGV
 YGQDSPLEPVSGVLVPPDGPALNACNPHTNFTVPTVWGSTVQVSWLALIQRGGCTFADKIHLSERGA
 SGAVIFNFPGTRNEVIPMSHPGAGDIVAIMIGNLKGTKILQSIQRGIQVTMVEVGGKKGHPWVNHYSIFF
 VSVSFFIITAATVGYFIFYSARRLRNARAQSRKQRLKADAKKAIQKQLRRLTKQDKEIGPDGDSCAVC
 IELYKPNLVRILTCNHIFHKTCVDPWLEHRTCPMCKDILKALGIEVDVEDGSVSLQVPVSNEASNTA
 SPHEEDSRSETASSGYASVQGADEPPLEEHAQSANENLQLVNHEANSVAVDVVPVHDNPTFEEDETPDQE
 AAVREIKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9018_a02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_023270

ORF Size: 1284 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_023270.5](#), [NP_075759.3](#)

RefSeq Size: 2764 bp

RefSeq ORF: 1287 bp

Locus ID: 66889

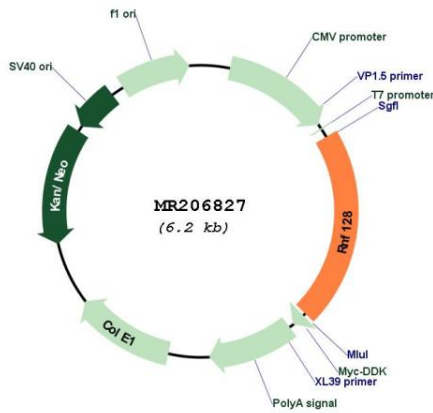
UniProt ID: [Q9D304](#)

Cytogenetics: X F1

MW: 46.7 kDa

Gene Summary: E3 ubiquitin-protein ligase that catalyzes 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains formation. Functions as an inhibitor of cytokine gene transcription. Inhibits IL2 and IL4 transcription, thereby playing an important role in the induction of the anergic phenotype, a long-term stable state of T-lymphocyte unresponsiveness to antigenic stimulation associated with the blockade of interleukin production. Ubiquitinates ARPC5 with 'Lys-48' linkages and COR1A with 'Lys-63' linkages leading to their degradation, down-regulation of these cytoskeletal components results in impaired lamellipodium formation and reduced accumulation of F-actin at the immunological synapse. Functions in the patterning of the dorsal ectoderm; sensitizes ectoderm to respond to neural-inducing signals (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206827