

## Product datasheet for **MC227505**

### Rnf128 (NM\_001254761) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf128 (NM\_001254761) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Rnf128  
**Synonyms:** 1300002C13Rik; AI987883; GRAIL; Greul1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227505 representing NM\_001254761  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAATCGGAAGACTAACACAGTTTTCTCAGCTCCTGGTATTTTTACCTTTTACTGCAAAGTACAG  
CATCGTTTTCAATGAACGCCTATGTGACTGTGACTTACTCAACGAAAGCAGCACTACACCAAGACTGA  
AAGGTGTGAGTGGGTGTCTATGGATTAGTCTCACTGGTTGCTAACGCTATGGGAGTGGTGGGTATCCCT  
AAGAACGGTAACACCAAGCTTGTGATTACAACACTGAGTTTACCAACACTGCTAAGCCTTGGATTGCGC  
TGATAGAAAAGAGGTAATTGCACATTTTCTGAAAAAATTCAAACAGCAAGCAGAAGTAATGCCAATGCTGT  
TGTGATTACAATTTCCAGAGACGGGCAACCAGACGATACAGATGGCAAATTTTGGTGTGGGGACATT  
GTTGCAATCATGATTGGCAATCTGAAAGGAACAAAAATTCGCAGTCTATTCAAAGAGGCATCCAAGTCA  
CAATGGTCATCGAAGTAGGGAAAAACATGGCCCTTGGGTGAATCATTATTCAATTTTCTCGTTTCTGT  
GTCCTTTTTCATAATTACGGCAGCAACCGTGGGCTATTTTCATCTTTTATTCTGCTCGAAGATTACGAAAT  
GCAAGAGCTCAAAGCAGGAAGCAGAGGCAGTTAAAGGCAGATGCTAAAAAGCTATTGAAAAGCTTCAGC  
TGCGCACCTTGAACAAGGAGACAAGGAAATGGCCCTGATGGAGATAGCTGTGCTGTGATTGAGCT  
CTATAAGCCAAATGATTTGGTGCATCCTAACCTGCAATCATATTTCCATAAGACATGTGTGGACCCG  
TGGCTTTTAGAACACAGGACTTGCCCCATGTGCAAGTGTGACATTCTCAAAGCTCTGGAATTGAGGTGG  
ATGTTGAAGATGGATCAGTGTCTTTACAAGTTCCTGTTTCTAATGAAGCATCTAATACTGCCTCTCCCA  
TGAAGAGGACAGTCGAGTGCAGTGCATCATCTGGATATGCTTCAGTACAAGGAGCAGATGAGCCACCT  
CTGGAGGAACATGCGCAGTCAGCAAATGAAAATCTACAGCTGGTAAACCATGAAGCAAATCTGTGGCCG  
TGGATGTTGTTCCCATGTTGACAACCAACCTTTGAAGAAGTAAACTCCTGATCAAGAGGCAGCTGT  
TCGGGAGATTAATCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001254761
<b>Insert Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001254761.1</a></u> , <u><a href="#">NP_001241690.1</a></u>
<b>RefSeq Size:</b>	2638 bp
<b>RefSeq ORF:</b>	1209 bp
<b>Locus ID:</b>	66889
<b>UniProt ID:</b>	<u><a href="#">Q9D304</a></u>
<b>Cytogenetics:</b>	X F1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate 5' terminal exon, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct N-terminus, compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>