

## Product datasheet for **SC324315**

### **NORE1 (RASSF5) (NM\_182665) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NORE1 (RASSF5) (NM\_182665) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NORE1  
**Synonyms:** Maxp1; NORE1; NORE1A; NORE1B; RAPL; RASSF3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_182665.2  
GCAGGAAAGGCGCGGGAGGCGGGGAGGTGCGGAGATGGCGCTCTGCACGCGGGCGGAGG  
GAGGGCGCTGGCGCCGGGACACGAAACCGCAGAGCCCGACGATCAGGGAGTGAGGCG  
CGAGCCGGGCGCCGGGCTCTGCAGGCGCAGGCGGCGGGGACAGGAGCAGGTTACCG  
GGCCGCCGAGCGCTCGCACCCCGCTGAAAGAAACGCAGGCGGCCCGCCGGCTCTGCCTG  
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TGGCGGCTCGGCCGGAACCTCCGGGTAGATGACCGTGGACAGCAGCATGAGCAGTGGG  
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CTGAAACTCCGGCGGCTGTGACGGTGCCTGCTGGGATCCGGCCCAAGTCCATCTATGAT  
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TGTGCCCAACACAGATTCTGCCAAGGATCAGAACTCATGTGAAACAAACAGCTGACGTC  
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GGCATTGATTCCTCTTTGAGTTCTTACTTGCCACGTACAGGACCATTATTTATGAGTG
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TCTTTTTAAATGTCTTTCTATATGGGTTTTAAAAAAGTAATAAAGCCTGTTGCAAA
AAAAAAAAAAAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_182665
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_182665.2](#), [NP\\_872606.1](#)

**RefSeq Size:** 3531 bp

**RefSeq ORF:** 798 bp

**Locus ID:** 83593

**UniProt ID:** [Q8WWW0](#)

**Cytogenetics:** 1q32.1

**Protein Families:** Druggable Genome

**Protein Pathways:** Leukocyte transendothelial migration, Non-small cell lung cancer, Pathways in cancer

**Gene Summary:** This gene is a member of the Ras association domain family. It functions as a tumor suppressor, and is inactivated in a variety of cancers. The encoded protein localizes to centrosomes and microtubules, and associates with the GTP-activated forms of Ras, Rap1, and several other Ras-like small GTPases. The protein regulates lymphocyte adhesion and suppresses cell growth in response to activated Rap1 or Ras. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]  
Transcript Variant: This variant (3), also known as transcript B, differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The resulting isoform (C), also known as NORE1B, is shorter and has a distinct N-terminus when compared to isoform A.