

Product datasheet for SC307477

NORE1 (RASSF5) (NM_182664) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NORE1 (RASSF5) (NM_182664) Human Untagged Clone
Tag: Tag Free
Symbol: RASSF5
Synonyms: Maxp1; NORE1; NORE1A; NORE1B; RAPL; RASSF3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC307477 representing NM_182664.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC **CGGATCGCC**
ATGCCATGGCGTCCCCGGCCATCGGGCAGCGCCCGTACCCGCTACTATTGGACCCCGAGCCGCCCGCGC
TATCTACAGAGCCTGAGCGGCCCGAGCTACCGCCGCGCCCCCGACCGGTCTCGCGCCTCTGTGTC
CCGGCGCCCTCTCCACTGCGCCCGGGGCGCGGAGGGGCGCAGCGCCCGAGGGCTGCCCGGGGAAC
CTGGAGCCCCCGCCCGGCCTCCGACCCGCTCGCCCGCTCCGGCTGGTCTGCAGCAGAGACTGCGG
CGGCGGCCTGGAGCGCCCGACCCGCGACGTGCGGAGCATCTTCGAGCAGCCGAGGATCCAGAGTC
CCGGCGGAGCGAGGCGAGGGCACTGCTTCGCCGAGTTGGTGTGCTCGCGGGCGCCCGGCTGGTGTGAC
CTGTGCGGACGAGAGGTGCTGCGGACGGCGCTGCGCTGCACTAACTGTAATTCACCTGTACCCAGAA
TGCCCGACGCTGATCCAGTTGGACTGCAGTCAGCAGGAGGGTTTATCCCGGACAGACCCCTCCAGAA
AGCACCTCACCGTGACCTTCAGCCAGAATGTCTGTAACCTGTGGAGGAGACACAGCGCCCGCCACA
CTGCAGGAGATCAAGCAGAAGATCGACAGCTACAACACGCGAGAGAAGAAGTGCCTGGGCATGAACTG
AGTGAAGACGGCACCTACACGGGTTTCATCAAAGTGCATCTGAAACTCCGGCGCCTGTGACGGTGCCT
GCTGGGATCCGGCCCCAGTCCATCTATGATGCCATCAAGGAGTGAACCTGGCGGCTACCACGGACAAG
CGGACATCCTTACCTGCCCTAGATGCCATCAAGCAGCTGCACATCAGCAGCACCACCACCGTCAGT
GAGGTCAATCCAGGGCTGCTCAAGAAGTTCATGGTTGTGGACAATCCCCAGAAGTTGCACTTTTTAAG
CGGATACACAAGGACGGACAAGTGGGATGCCTTCTCCATCCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI
Plasmid Map: □
ACCN: NM_182664



Insert Size:	1011 bp
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:	<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_182664.3
RefSeq Size:	3537 bp
RefSeq ORF:	1011 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
MW:	37.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate exon in the 3' coding region, compared to variant 1, that causes a frameshift. The resulting protein (isoform B) is shorter and has a distinct C-terminus, compared to isoform A.</p>