

Product datasheet for SC202605

RAIN (RASIP1) (NM_017805) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: RAIN (RASIP1) (NM_017805) Human 3' UTR Clone
Symbol: RAIN
Synonyms: RAIN
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_017805
Insert Size: 243 bp
Insert Sequence: >SC202605 3'UTR clone of NM_017805
 The sequence shown below is from the reference sequence of NM_017805. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CATGGGCTCCCGTGGCCACGTCTCTTGAACCAATACCAACGAGCGCGCAACCTTGAAATGTCA
CGGGCTTCTACGGACAGGAGCCCGCTGAGCGCAAAGCTTCTGGGAGTTGTAGTTCTTATCCCGCGTG
GAATGTTGGGAGATTGAGTTTTCGGGAAGTAGCGGATGGGACGGTGGGAGCATGGGCTTAGGATGTGAA
TGCCAGGGAGCAATAAAGGTATCCGTGGTATCGGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI
OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq: [NM_017805.3](#)


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Summary:

Required for the proper formation of vascular structures that develop via both vasculogenesis and angiogenesis. Acts as a critical and vascular-specific regulator of GTPase signaling, cell architecture, and adhesion, which is essential for endothelial cell morphogenesis and blood vessel tubulogenesis. Regulates the activity of Rho GTPases in part by recruiting ARHGAP29 and suppressing RhoA signaling and dampening ROCK and MYH9 activities in endothelial cells (By similarity). May act as effector for Golgi-bound HRAS and other Ras-like proteins. May promote HRAS-mediated transformation. Negative regulator of amino acid starvation-induced autophagy.[UniProtKB/Swiss-Prot Function]

Locus ID:

54922

MW:

8.8