

Product datasheet for SC204942

RAE1 (NM_003610) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	RAE1 (NM_003610) Human 3' UTR Clone
Symbol:	RAE1
Synonyms:	dj481F12.3; dj800J21.1; Gle2; MIG14; Mnrp41; MRNP41
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003610
Insert Size:	1133 bp
Insert Sequence:	<p>>SC204942 3'UTR clone of NM_003610</p> <p>The sequence shown below is from the reference sequence of NM_003610. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GAAGAGCTAAAGCCCAGGAATAAGAAGTAGTGGCTGGAGACTCTGGCTCAGCCAGAGTTGTTTCTCTCC
ACTCTGCCTCATCTCTGTACGAATTTGGGTCCCAGCCTTGTGGGTTGTCAGCCATGGACATGGATTTC
AACCCCTGGAGAAAACGATGTCATTGTTTACGAGCTGAGAGCCCAGGCGTCCGCGGCGACTTGCCGTCT
CTCCATTCCACTGCCTGTTGCAGAGTTTTCTGTAACAAAGGGGTTGAGGTTATTGTAGACGTTAGAT
TGCGGGCACCGCCAGGGATTTTGCAGCGCTTCAGTGTACGTGTTAGAGAAATTGGAAAAGCGTCTGTG
AGCCCCGTGCTGTATTTTGAATAAAGTCTTTTGCAGATTGCTTCCCGAGCTTCCTTTGTCTTTTCTC
CCCTTGCCACCCCGTAACCTCAGGAACATGCGTCCTGCCAGCATCAGCGTGGGGTTTTGAGTTGAGA
TTTCAGACACCCTCTGGGAAATGCGGCAACCTTAGGGGAAAGGGAGTCCCAGCTGCGCTCACTTCTGC
TGCGCGGAACGGCAGCCTCTGTGAGCCCTGGTGGGCAGAGTTGAATGTGTTTTCTTGCTTCCCTCA
TTCCCATCTTCAAAATCCCCAGTGCTTTCTGGCCTTGCTGCTCAGATTTCGAGTGACTCAAAATGGGGA
CTGTTACTTGTGCTGGGTGACAGGCCATTTGTGGTAACCTCCTAAGGCCAAGTGGGTGACACTTGCG
TGACTTTCAAGTTAGAACCACCAAGCCCCCTGCATGGGAATTGCCCTGAACCTTACCCACCCCGTCCCC
TGCAATGGGAATTGCCCTGAACCCTCAGTAGTGTTGTTTGGCTGTTCTTTTGTATTTTGTGAATTTAA
AATTCTGTTGTTAAGTATTCAAAATGAAATTGAGCTGGGCTGAGAAAAAGTGTGACTTTTGGGTCTG
TCACTGTATTTCTCACCTGTGATCTCAAATGCTTCTTAGGCCTTTCTGTTTGGACTAATGTGTGAAGTC
TGACTTGCTGAGTGATAAATTCTAGTATCGATAGTGTGTAAGATGTGTTGCTACTCATAAAAAACA
ATGAAAAATAAATTTTCTACTGGAAGAGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites:	Sgfl-Mlul
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:	<u>NM_003610.4</u>
Summary:	Mutations in the Schizosaccharomyces pombe Rae1 and Saccharomyces cerevisiae Gle2 genes have been shown to result in accumulation of poly(A)-containing mRNA in the nucleus, suggesting that the encoded proteins are involved in RNA export. The protein encoded by this gene is a homolog of yeast Rae1. It contains four WD40 motifs, and has been shown to localize to distinct foci in the nucleoplasm, to the nuclear rim, and to meshwork-like structures throughout the cytoplasm. This gene is thought to be involved in nucleocytoplasmic transport, and in directly or indirectly attaching cytoplasmic mRNPs to the cytoskeleton. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Locus ID:	8480
MW:	41.3