

Product datasheet for **SC217490**

Raptor (RPTOR) (NM_020761) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Raptor (RPTOR) (NM_020761) Human 3' UTR Clone
Symbol:	Raptor
Synonyms:	KOG1; Mip1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_020761
Insert Size:	2000 bp



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Insert Sequence: >SC217490 3'UTR clone of NM_020761
 The sequence shown below is from the reference sequence of NM_020761. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGTAAGTGGTGGAGAAGCGTGTGAGATAGCGGCGTGACCCGGGCCACCAGGCCACGGCCCGCTGCTG
TACATAGTGAAGCTGTCACTCGCCGGGGCACGGGGCGTCCGGTGTGCGGCCCGCAGTGTGAACGTTG
GCTGCTGCCTTAGCTGCTGATGACGGCAGGAGGGCCCTGCTACTCGCTTTTGTCTGTCTTCGCTGTCGT
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GCACCCCGCGGGCACGGCGCCTCTGTCCCTCTCCTGTTCTGTGTTTCTCTGAGACGCTGAAAGGGGAA
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AGAGGCAGGCGCTGGGGCTCTACGGGTCCTGGGGCAGCTGTCCCATCAGGCCAAGAGCGAGCGAGA
GGCGCTGCCCCAGCCAGGCCACCACCTCTCACAGTCAGTGCACGCAAGCAGGGACATTTCTAGCCAG
CTGGGGGACACTGGAAATTCGGGAAACCAAGAGAGAGGAAGAAGGAGACGCCCTCCAAC TGCGGGTG
TGAAGGAAGCCGCCAGGGGTCCGGGCTGTCTTGGCCGCTGGCAGCATCACTGAGCAGGAAGCGCACA
GCCACCCCTCCCGCACCTCCAGGTCTCTGGACTCCAGTTTTGGCCCTCTCACAGAGCTGTGAGCA
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CTCCTTTCCCTCCGAAGGGTGTCTTCCCCACAGGCGCGGGGACAGCAGCCGACCTGTGGTCTCCAT
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CGGGTCCCGGACGGCTCCGGGTGACACCAGCCCGTCTCCAGCCTTGAGCCGCCATGCTGATGCGACC
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GGCGTGTATGAGCAGTTTTGCAAACAGAACACAACCAATGATGGTATTTGAAAAGTGTCTTTCCG
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TCCGCTGCTCCTTTTGAATGCGAGCTCCACCAGAAGAAGGTTCCGGCACGAATCCCATCCCCACGT
CTGGGCCGAGAAAGCAGCCCGGTCCGGAAGGTGTAGAGAGTCCCGGCTCACTCAGCTCACAGGGCGT
GCCAGGCGGCAACACCAGAATCTCCAGAAGCCAGCTCCACCCGCACACGAGCTTCCATCCAGTCC
TTCAACTCAATTCTTACCAACACGCGTTTCTGTTTGTGTTTGGAGACAAAATCACCACCTGTCAAAAGGC
AGGTGGCTCCAGAGGGGTCAAGACCCCCCCCCCGCCCTCCACCTGGAGCCACCCCATGGGCAC
CGCGTGCCGCTGCACGTGGGCTGTCTTACAGGTCTGATGTGAAAATCAATCACGACGTTAACCGGC
TCGAGAGAGCGCCGGCTAGAGGCTCATTATCTATTTATTTTACCAAACGCGAATTGAGACGGACTTT
AGCGGACCGACTTACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCC
CAACCTGCCATCACGAGATTTGATTCCACCGCCG
  
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- Restriction Sites:** SgfI-RsrII
- 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_020761.3](#)

Summary:

This gene encodes a component of a signaling pathway that regulates cell growth in response to nutrient and insulin levels. The encoded protein forms a stoichiometric complex with the mTOR kinase, and also associates with eukaryotic initiation factor 4E-binding protein-1 and ribosomal protein S6 kinase. The protein positively regulates the downstream effector ribosomal protein S6 kinase, and negatively regulates the mTOR kinase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

Locus ID:

57521

MW:

72.6