

Product datasheet for **SC209229**

PKR (EIF2AK2) (NM_001135652) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PKR (EIF2AK2) (NM_001135652) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	EIF2AK2
Synonyms:	EIF2AK1; LEUDEN; PKR; PPP1R83; PRKR
ACCN:	NM_001135652
Insert Size:	2000 bp



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Insert Sequence: >SC209229 3'UTR clone of NM_001135652
 The sequence shown below is from the reference sequence of NM_001135652. 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
CCAGAGAAAAATGAACGACACACATGTAGAGCCCTTCTGAAAAAGTATCCTGCTTCTGATATGCAGTT
TTCTTAAATTATCTAAATCTGCTAGGGAATATCAATAGATATTTACCTTTTATTTAATGTTTCCTT
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ATTCTTACATTTTACTTTTTCTGGCTCATCTCTTTATTCTTTTTTTTTTTTTTAAAGACAGAGTCTCGC
TCTGTTGCCAGGCTGGAGTGAATGACACAGTCTTGGCTCACTGCAACTTCTGCCTCTTGGGTTCAAG
TGATTCTCCTGCCTCAGCCTCCTGAGTAGCTGGATTACAGGCATGTGCCACCCACCAACTAATTTTTG
TGTTTTTAATAAAGACAGGGTTTACCATGTTGGCCAGGCTGGTCTCAAACCTCTGACCTCAAGTAATC
CACCTGCCTCGGCCTCCCAAAGTCTGGGATTACAGGGATGAGCCACCGGCCAGCCTCATCTCTTTG
TTCTAAAGATGGAAAAACCCCAAAATTTTCTTTTTATACTATTAATGAATCAATCAATTCATATCT
ATTTATTAATTTCTACCGCTTTTAGGCCAAAAAATGTAAAGATCGTTCTCTGCCTCACATAGCTTACA
AGCCAGCTGGAGAAATATGGTACTCATTAAAAAAGTATGTACAACCACTTCGGAAAAAC
AATTTGGCATTATCTAGTAAAGTTGAATCCATGTATACCCACATAGCTATCAATTTCTATTCTACATAC
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TTTTGTATAAAAAACCAACAAATGTGATGAGACAATAATGGGAAGGAAGGAATGAGAAATATTAAT
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TCCAATATATGCCAGGGTGTAGATGAGTAGAGAGGAGACCACCCAGGAAGTCTGGACAAGGGGTCTG
GCATGAGCTCTGGAGAAGATATATTTGAGGAACATGGGGTATGCTAGTTTGTGCTGAATTGCTGTA
GAGAAGATAATTTAAATTGCATCTTAGAAGACGCCCTGAGGGTGAATTTCAACTTAGGGCAATGTTT
TAGTTTGTCTTATTGGTTAAATGGATACTTGAAGCTGGATAATTTATAAGGAAAAGAGATTTATAT
GACTTACAGTTCTGCAGGCTGTACAAGAAACATGGCACCAGCATCTGCTTCTCCCGGCTGCTCCAC
TCATGGTGGAAAGGTGAAGGGGAGCCGGATGTGCAGAGATCATATGGCAAGAGAGGAAGCAAGAGAGCGA
GGGAGAAGGTGCCAGGCTCTTTTTAAATAACCGGCTCTTGGGAACTAATAGATTGAGAAGTCTTGC
TTCTCCTCCCAGCACACCCACCCAGGACGGCATTAAATGTATTCATGAGGGGTCTTCCCCATG
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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_001135652.2](#)

Summary: The protein encoded by this gene is a serine/threonine protein kinase that is activated by autophosphorylation after binding to dsRNA. The activated form of the encoded protein can phosphorylate translation initiation factor EIF2S1, which in turn inhibits protein synthesis. This protein is also activated by manganese ions and heparin. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

Locus ID: 5610

MW: 77.2