

Product datasheet for **SC211792**

PERK (EIF2AK3) (NM_004836) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: PERK (EIF2AK3) (NM_004836) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: EIF2AK3
Synonyms: PEK; PERK; WRS
ACCN: NM_004836
Insert Size: 1025 bp
Insert Sequence: >SC211792 3'UTR clone of NM_004836
The sequence shown below is from the reference sequence of NM_004836. 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
AACTCCCATAGCCCTTTGCCAAGCAATAGCCTTAAGTTGTGCTAGCAACCCTAATAGTGATGCAGAT
AATAGCCTACTTCTTAGAATATGCCTGTCCAAAATTGCAGACTTGAAAAGTTTGTCTTCGCTCAATTT
TTTTGTGGACTACTTTTTTATATCAAATTTAAGCTGGATTTGGGGGCATAACCTAATTTGAGCCAAC
CCTGAGTTTTGTACTTAAGGAAAGGCTATCTTTGTCTTTGTTAGTCTCTTGAAACTGGCTGCTG
GCCAAGCTTTATAGCCCTCACCATTTGCCTAAGGAGGTAGCAGCAATCCCTAATATATATATAGTGA
GAACTAAAATGGATATATTTTTATAATGCAGAAGAAGGAAAGTCCCCCTGTGTGGTAACTGTATTGTTC
TAGAAATATGCTTTCTAGAGATATGATGATTTTGAAACTGATTTCTAGAAAAAGCTGACTCCATTTTGT
TCCCTGGCGGGTAAATTAGGAATCTGCACTATTTGGAGGACAAGTAGCACAACTGTATAACGGTTTA
TGTCCGTAGTTTTATAGCCTATTTGTAGCATTCAATAGCTTTATTCCTTAGATGGTTCTAGGGTGGGT
TTACAGCTTTTTGTACTTTTACCTCCAATAAAGGGAAAAATGAAGCTTTTTATGTAATTGGTTGAAAGG
TCTAGTTTTGGGAGGAAAAAGCCGTAGTAAGAAATGGATCATATATATTACAACCTAACTCTTCAACT
ATGGACTTTTTAAGCCTAATGAAATCTTAAGTGTCTTATATGTAATCCTGTAGGTTGGTACTTCCCCCA
AACTGATTATAGGTAACAGTTTAAATCATCTCACTTGCTAACATGTTTTATTTTTCACTGTAATAATGT
TTATGTTTTATTATAAAAAATCTGAAATCAATCCATTTGGGTTGGTGGTGTACAGAACACACTTAAAGT
GTGTTAACTTGTGACTTCTTTCAAGTCTAAATGATTTAATAAACTTTTTTTAAATTA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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_004836.7
Summary:	The protein encoded by this gene phosphorylates the alpha subunit of eukaryotic translation-initiation factor 2, leading to its inactivation, and thus to a rapid reduction of translational initiation and repression of global protein synthesis. This protein is thought to modulate mitochondrial function. It is a type I membrane protein located in the endoplasmic reticulum (ER), where it is induced by ER stress caused by malformed proteins. Mutations in this gene are associated with Wolcott-Rallison syndrome. [provided by RefSeq, Sep 2015]
Locus ID:	9451
MW:	38.7