

Product datasheet for **SC207148**

GCN2 (EIF2AK4) (NM_001013703) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	GCN2 (EIF2AK4) (NM_001013703) Human 3' UTR Clone
Symbol:	GCN2
Synonyms:	GCN2; PVOD2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001013703
Insert Size:	537 bp
Insert Sequence:	>SC207148 3'UTR clone of NM_001013703 The sequence shown below is from the reference sequence of NM_001013703. 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
AGAGATGACTACTACAGAATCTTATTTAACCCTAAAGAAGTGTGCTTAACCTCATTCAAACAGACAGA
GGCTTATACTGGAATAATGGAATGTTGTACATTATCATAATTTAAAATTAATTCTAAGAAGAGGCTG
GGTGCAGTGGCTCACACCTTTAATCCCAGCACTTTGGGAAGCCAAGGCAGGAAGACTGCTTGAAACCAG
GAGTTTGAGACCAGCCTGAGCAACAAAGCAAGACCCCATCTCTATAAAAACTAAAAAATTAGTTGGGC
ATGGTGGCACATGCCTGTAGTCCAGCTACTCCAGAGGCTGAGATGGATCATCTGAGCCTCAGGAGGTT
GAGGCTGCAGTGTGACTGTGACTGCGCCACTGCACTCCAGTCTGGGACAACAGAGCAAGACCTGTCTTA
AAAAAAAAAAGAAAAAAAAAATTTTTTCTAAGAAGCTGTCTACAAAGTTGAGCTTTGTTAGTTTTTC
ATGTGTAATATATTATAAATTTATCTTTTGGGATATAATAATGCTTTCATATA
ACGCGTAAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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:	<u>NM_001013703.4</u>
Summary:	This gene encodes a member of a family of kinases that phosphorylate the alpha subunit of eukaryotic translation initiation factor-2 (EIF2), resulting in the downregulation of protein synthesis. The encoded protein responds to amino acid deprivation by binding uncharged transfer RNAs. It may also be activated by glucose deprivation and viral infection. Mutations in this gene have been found in individuals suffering from autosomal recessive pulmonary venoocclusive-disease-2. [provided by RefSeq, Mar 2014]
Locus ID:	440275
MW:	20.5