

Product datasheet for **SC207329**

AUH (NM_001698) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: AUH (NM_001698) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: AUH
ACCN: NM_001698
Insert Size: 555 bp
Insert Sequence: >SC207329 3'UTR clone of NM_001698

The sequence shown below is from the reference sequence of NM_001698. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAAAGGCCCCCTCGCTATAAAGGAGAAATAAAGGAACAGAAATTCTTAAGATGCCAATGTAATAAATGT
ACTTCCTGGAAGTGTCTTTCCGATCCACTATATGCCTCAGCACATGGAACCTTAATGACCAAAGTGAAG
AGCAGATTATTCATACGGTGTAATAAGCATCTGGAATGGACCCATCCGTGTAATTCATTCAAATGTGTA
AATGTCATATTCATTAGATTTATAAAGCTAGTAGTGTATAGTCAGAAACAGAATCAAAGTTAGATATA
CATTTTTAAATATTTACTGCATATGAGGCTTTCTGTTAATTTTTAATGTGAATAATTTATATATTGCA
CATTCTAGGGAATAATATTGATTGTATGTCTACTGTGCTGATTAAGAAAATAAAATTTCTATATACCA
AAAATGTGAAGTTATACCAAATAAAGTTTCTAAGTGATTAATGCATACGAACAGCTACATATACATATA
TCTAAACCTGAAAAATGAATTGATTTCTGAGTGAAAACCTACCTAATATAAATAAAATTAGTAAAAAGA
AAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: Sgfl-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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_001698.3](#)



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Summary:

This gene encodes bifunctional mitochondrial protein that has both RNA-binding and hydratase activities. The encoded protein is a methylglutaconyl-CoA hydratase that catalyzes the hydration of 3-methylglutaconyl-CoA to 3-hydroxy-3-methyl-glutaryl-CoA, a critical step in the leucine degradation pathway. This protein also binds AU-rich elements (AREs) found in the 3' UTRs of rapidly decaying mRNAs including c-fos, c-myc and granulocyte/ macrophage colony stimulating factor. ARE elements are involved in directing RNA to rapid degradation and deadenylation. This protein is localizes to the mitochondrial matrix and the inner mitochondrial membrane and may be involved in mitochondrial protein synthesis. Mutations in this gene are the cause of 3-methylglutaconic aciduria, type I. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Locus ID: 549

MW: 22