

## Product datasheet for **SC203118**

### **MED12 (NM\_005120) Human 3' UTR Clone**

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MED12 (NM_005120) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MED12
Synonyms:	ARC240; CAGH45; FGS1; HOPA; Kto; MED12S; OHDOX; OKS; OPA1; TNRC11; TRAP230
ACCN:	NM_005120
Insert Size:	262 bp
Insert Sequence:	>SC203118 3'UTR clone of NM_005120 The sequence shown below is from the reference sequence of NM_005120. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCCAGTACCAACATATTTGGACGCTACTGAGCCACCTGGAGGAAGTCTGTGCACTGGATGTGCCCC ACCCTTTCCTCTTAATCCCAATCCATTCTGGGCTAGCACCAGTAGTGGTTGGGGCCCTCCCCTCAG GCTCCATTTTAAATAAGTTTTTAGTATTTTTGTTAATGTGAGGCATTGAGCTGTTGGGTTTTGTATATT ATTTATATAGAGACCCAGAGCTGTTGCACCAATACACAGAGCTTCTTTGCAAA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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><a href="#">NM_005120.3</a></u>



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**Summary:**

The initiation of transcription is controlled in part by a large protein assembly known as the preinitiation complex. A component of this preinitiation complex is a 1.2 MDa protein aggregate called Mediator. This Mediator component binds with a CDK8 subcomplex which contains the protein encoded by this gene, mediator complex subunit 12 (MED12), along with MED13, CDK8 kinase, and cyclin C. The CDK8 subcomplex modulates Mediator-polymerase II interactions and thereby regulates transcription initiation and reinitiation rates. The MED12 protein is essential for activating CDK8 kinase. Defects in this gene cause X-linked Opitz-Kaveggia syndrome, also known as FG syndrome, and Lujan-Fryns syndrome. [provided by RefSeq, Aug 2009]

**Locus ID:**

9968

**MW:**

9.9