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Product datasheet for RC217206L1V

MED12 (NM_005120) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MED12 (NM_005120) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MED12
Synonyms:	ARC240; CAGH45; FGS1; HOPA; Kto; MED12S; OHDOX; OKS; OPA1; TNRC11; TRAP230
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005120
ORF Size:	6531 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217206).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005120.2
RefSeq Size:	6757 bp
RefSeq ORF:	6534 bp
Locus ID:	9968
UniProt ID:	Q93074
Cytogenetics:	Xq13.1
Protein Families:	Druggable Genome
MW:	242.9 kDa

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Gene 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 reinitation 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]