

Product datasheet for RC222391

DRIP130 (MED23) (NM_004830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DRIP130 (MED23) (NM_004830) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MED23
Synonyms:	ARC130; CRSP3; CRSP130; CRSP133; DRIP130; MRT18; SUR-2; SUR2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC222391 representing NM_004830 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC222391 representing NM_004830
 Red=Cloning site Green=Tags(s)

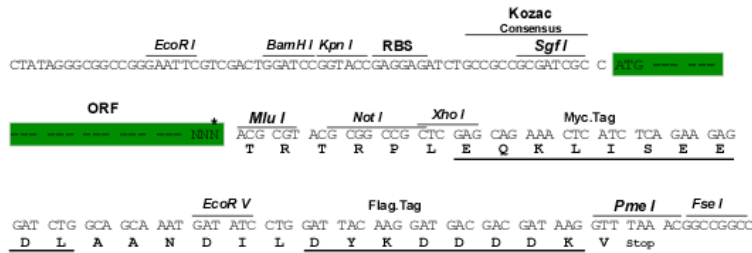
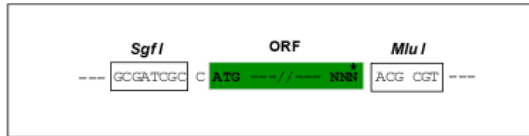
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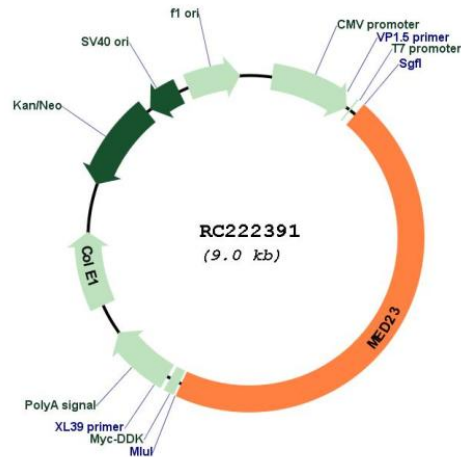
Restriction Sites:
Cloning Scheme:

SgfI-MluI

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_004830

ORF Size: 4104 bp

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004830.4](#)

RefSeq Size: 5240 bp

RefSeq ORF: 4107 bp

Locus ID: 9439

UniProt ID: [Q9ULK4](#)

Cytogenetics: 6q23.2

Protein Families: Druggable Genome, Transcription Factors

MW: 156.5 kDa

Gene Summary: The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. This protein also acts as a metastasis suppressor. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Jul 2012]