

Product datasheet for RC215775

DMXL2 (NM_015263) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DMXL2 (NM_015263) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DMXL2
Synonyms:	DEE81; DFNA71; EIEE81; PEPNS; RC3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC215775 ORF sequence, codon optimized . Due to the complexity of NM_015263, the ORF clone is codon optimized for mammalian Expression. The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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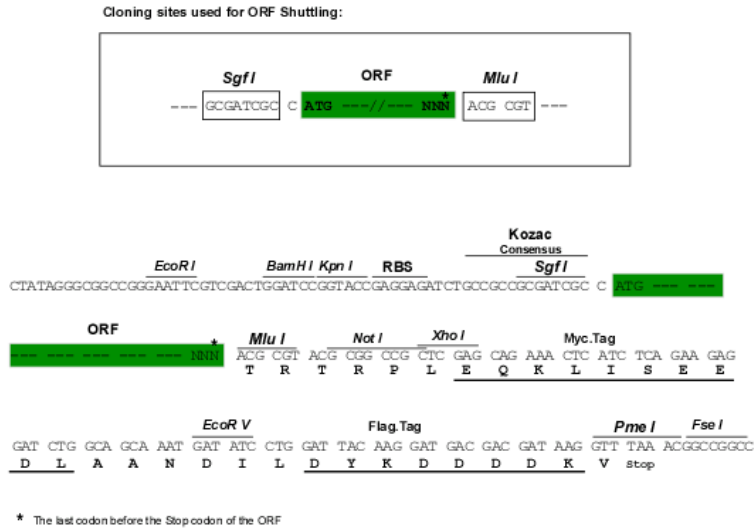
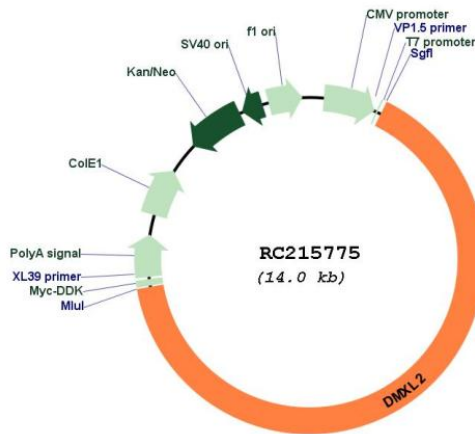
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Protein Sequence: >RC215775 representing NM_015263
 Red=Cloning site Green=Tags(s)

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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_015263

ORF Size: 9108 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:	<ol style="list-style-type: none">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_015263.1 , NM_015263.2 , NM_015263.3 , NP_056078.1
RefSeq Size:	10596 bp
RefSeq ORF:	9111 bp
Locus ID:	23312
UniProt ID:	Q8TDJ6
Cytogenetics:	15q21.2
MW:	339.6 kDa
Gene Summary:	This gene encodes a protein with 12 WD domains. Proteins with WD domains are involved in many functions including participation in signal transduction pathways. Participation of the encoded protein in regulation of the Notch signaling pathway has been demonstrated in vitro using several human cell lines (PMID:20810660). A gene encoding a similar protein is located on chromosome 5. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]