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Product datasheet for RC223243

FOXD4L1 (NM_012184) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD4L1 (NM_012184) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXD4L1
Synonyms:	bA395L14.1; FOXD5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC223243 representing NM_012184
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCTGCCAAGAGCTGAGCGCCCTCGCTCCACACCGCAGCGCAGCCTCCGGGACTCCGATGGGGAAG
ACGGTAAAATCGATGTCCTGGGAGAGGAGGAAGATGAAGACGAGGTGGAAGACGAGGAGGAGGAGGCGAG
CCAGAAGTTCCTAGAGCAGTCGCTCCAGCCGGGGCTGCAGGTGGCCCGGTGGGGCGGGGTTGCGCTTCCC
CGAGAGCACATCGAGGGCGGCGGCCCGAGCGACCCCTCAGAGTTTGGCACCGAGTTCAGGGCACCGCCAA
GGTCTGCGGCGGCCTCTGAAGATGCCCGGCAGCCGGCAAAGCCCCCCTACTCGTACATCGCGCTCATCAC
CATGGCCATCCTGCAAAGCCCGCACAAGCGCCTCACGCTCAGCGGCATCTGCGCCTTCATTAGTGGCCGC
TTCCCCTACTACCGCCGCAAGTTCCCCGCCTGGCAGAACAGCATCCGCCACAACCTCTCGCTGAACGACT
GCTTCGTCAAGATCCCCCGCGAGCCGGGCCACCCAGGCAAGGGCACCTACTGGAGCCTGGACCCCGCCTC
CCAGGACATGTTCGACAATGGCAGCTTTCTCCGGCGTAGGAAGCGTTTCAAGCGCCACCAACTGACCCCG
GGAGCCCACCTGCCCCACCCCTTCCCTCTACCTGCTGCACACGCCGCCCTGCACAACCCCCGCCCAGGCC
CTCTGCTTGGGGCCCCTGCCCTGCCGCAGCCAGTCCCGGGGGCCTACCCCAACACCGCCCCCGGGAGACG
CCCTTACGCTCTGCTGCACCCGCATCCTCCTCGCTACCTACTGCTCTCGGCCCCCGCCTATGCCGGGGCA
CCGAAGAAAGCAGAAGGCGCGGACCTGGCGACCCCCGGCACCCTTCCCGTGCTGCAGCCCTCACTTGGTC
CTCAGCCTTGGGAGGAGGGCAAGGGTCTGGCGTCGCCACCGGGAGGCGGATGCATCTCTTTCAGCATTGA
GAGTATCATGCAAGGGGTCAGGGGAGCGGGTACAGGGGCTGCGCAGAGTTTGTCCCCGACCGCGTGGAGC
TACTGCCCCCTGCTCCAGCGACCGTCAAGCCTGTCGGACAATTTTGCAGCAACAGCAGCAGCATCAGGAG
GAGGACTGCGCCAACGGCTGCGCTCCCACCAAGGGCGCGGTGCTGGGCGGGCACCTGTCGGCCGCGTCGG
CGCTGCTGCGGTATCAGGCGGTGGCAGAGGGCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC223243 representing NM_012184
Red=Cloning site Green=Tags(s)

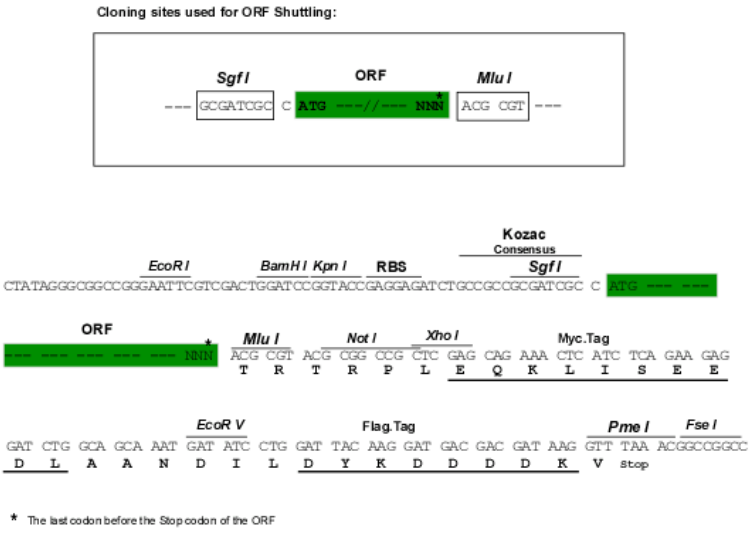
MNLPRAERPRSTPQRSLRDSDGEDGKIDVLGEEEDEDEVEDEEEEASQKFLEQSLQPGLQVARWGGVALP
REHIEGGGPSDPSEFGTEFRAPPRSAAASEDARQPAKPPYSYIALITMAILQSPHKRLTLSGICAFISGR
FPYYRRKFPAWQNSIRHNLSLNDCFVKIPREPGHPGKGTYWSLDPASQDMFDNGSFLRRRKRFKRHQLTP
GAHLPHPFPLPAAHAALHNPRPGPLLGAPALPQPVPGAYPNTAPGRRPYALLHPHPPRYLLLSAPAYAGA
PKKAEGADLATPGTLPVLQPSLGPQPWEEGKGLASPPGGGCISFSIESIMQGVRGAGTGAAQSLSPTAWS
YCPLLQRPSSLSDNFAATAAASGGGLRQRLRSHQGRGAGRAPVGRVGAAAVSGGGRGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8045_h08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012184

ORF Size: 1224 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_012184.4

RefSeq Size: 2250 bp

RefSeq ORF: 1227 bp

Locus ID: 200350

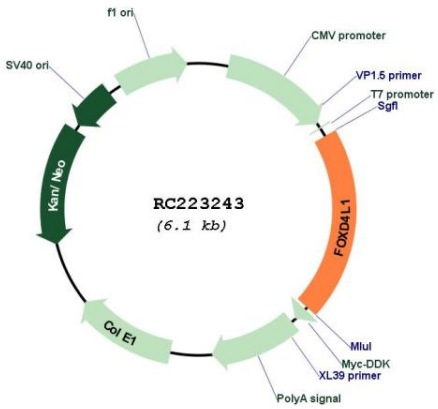
UniProt ID: Q9NU39

Cytogenetics: 2q14.1

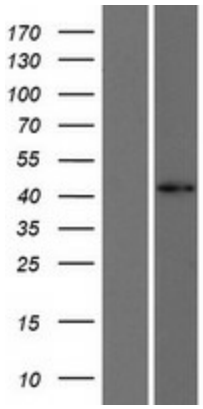
MW: 43.4 kDa

Gene Summary: This gene is a member of the forkhead/winged-helix (FOX) family of transcription factors with highly conserved FOX DNA-binding domains. Members of the FOX family of transcription factors are regulators of embryogenesis and may play a role in human cancer. This gene lies in a region of chromosome 2 that surrounds the site where two ancestral chromosomes fused to form human chromosome 2. This region is duplicated elsewhere in the human genome, primarily in subtelomeric and pericentromeric locations, thus mutiple copies of this gene have been found. [provided by RefSeq, Jul 2008]

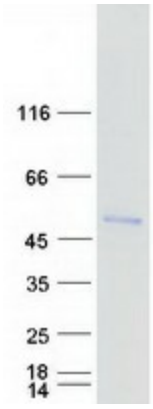
Product images:



Circular map for RC223243



Western blot validation of overexpression lysate (Cat# [LY415931]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223243 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FOXD4L1 protein (Cat# [TP323243]). The protein was produced from HEK293T cells transfected with FOXD4L1 cDNA clone (Cat# RC223243) using MegaTran 2.0 (Cat# [TT210002]).