

Product datasheet for **RC225654**

FOXD4L5 (NM_001126334) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FOXD4L5 (NM_001126334) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FOXD4L5
Synonyms:	bA15J10.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC225654 representing NM_001126334 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTGCCAAGAGCTGAGCGCCCTCGCTCCACACCGCAGCGCAGCCTCCGGGACTCCGATGGGGAAG
ACGGTAAAATCGATGTCTGGGAGAGGAGGAAGATGAAGACGAGGTGGAAGACGAGGAGGAGGAGGCGAG
ACAGCAGTTCTAGAGCAGTCACTCCAGCCGGGCTGCAGGTGGCCCGTGGGCGGGGTTGCGCTTCCC
CGAGAGCACATCGAGGGCGCGCGGCCGAGTGACCCCTCAGAGTTTGGCACCAAGTTCAGGGCACCGC
CAAGGTCTGCGGGCCCTCTGAAGATGCCCGCAGCCGCAAGCCCCCTACTCGTACATCGCGCTCAT
CACCATGGCCATCTGCAAAACCCGCACAAGCGCCTCACGCTCAGCGCATCTGCGCCTTATTAGTGGC
CGTTCACATACTACCGCCGAAGTTCCCCGCCTGGCAGAACAGCATCCGCCACAACCTCTCGTGAACG
ACTGCTTCGTTAAGATCCCCCGGAGCCGGGCCACCCAGGCAAGGGCAACTACTGGAGCCTGGACCCCGC
CTCCCAGGACATGTTGCAATGGCAGCTTCTCCGGCGTAGGAAGCGTTTCAAGCGCCACCAACTGACC
CCGGGAGCCACCTGCCCCACCCCTTCCCTCTACCTGTGCGCACGCCGCCCTGCACAACCCCCACCCAG
GCCCTCTGCTTGGGGCCCTGCCCGCCGAGCCAGTCCCGGGGCTACCCCAACACCGCCCCCGGGAG
ATGCCCTTACGCTCTGCTGCACCCGATCCTCTTCGCTACCTACTGCTCTCGCCCCCGTCTATGCCGG
GCACCGAAGAAAGCAGAAGGCGCGGACCTGGCGACCCCGCACCCCTTCCCGTGTGCAGCCCTCACTTGG
TCCTCAGCCTTGGGAGGAGGGCAAGGGTCTGGCGTCGCCACCGGAGGCGGATGCATCTCTTTAGCATT
GAGAGTATTATGAAGGGGTGAGGGGAGCGGTACAGGGGCTGCCGAGAGTTTGTCCCGACCGCGTGGA
GCTACTGCCACCTGCTCCAGCGACCATCAAGCCTGTTGCATCCCCAAACCGCTGCCCTTTGCTGCAAGT
GTCCGCCCGCTGCTGCTCGGACAATTTGCAGCAATAGCAGCAGCATCAGGAGGACTGCGCCAACGGC
TGCGCTCCACCAAGGGCGCGGTGCTGGGCGGCACCTGTCCGCTCGTCCGGCGCTGC

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC225654 representing NM_001126334
Red=Cloning site Green=Tags(s)

MNL PRAERPRSTPQRSLRDSGDGDKIDVLGEEDEDEVEDEEEEARQQFLEQSLQPLQVARWGGVALP
 REHIEGGGSDPSEFGTKFRAPPRSAASEDARQPAKPPYSYIALITMAILQNPHKRLTLSGICAFISG
 RFPYYRRKFPWQNSIRHNLSLNDCFVKIPREPGHPGKGNYSWLDPASQDMFDNGSFLRRRKRFRHQLT
 PGAHLPHFPFLPAAHAALHNHPHPGPLLGAAPPQVPVPGAYPNTAPGRCPYALLHPHPLRYLLL SAPVYAG
 APKKAEGADLATPAPFPCCSPHLVLSLGRRARVWRRHREADASLSALRVLCKGSGERVQGLRRVCPRRPG
 ATATCSSDHQACCIPKPLPLCCKCPPLLLLGQFCNSSSIRRTAAPTAAALPPRARCWAGTCRPRRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8034_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_001126334

ORF Size: 1248 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_001126334.1](#), [NP_001119806.1](#)

RefSeq ORF: 1251 bp

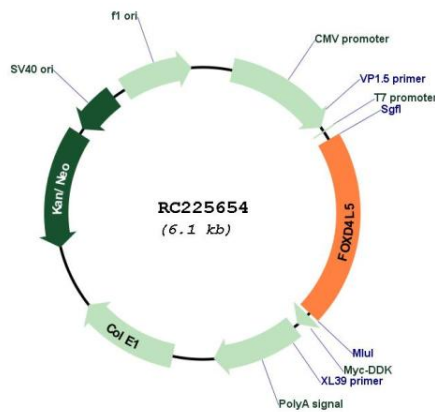
Locus ID: 653427

UniProt ID: [Q5VV16](#)

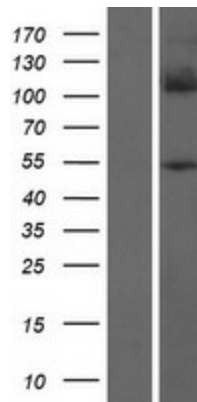
Cytogenetics: 9q21.11

MW: 45.6 kDa

Product images:



Circular map for RC225654



Western blot validation of overexpression lysate (Cat# [LY426675]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225654 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).